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DIRECTORATE OF
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# Economic Intelligence Statistical Handbook 1970

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July 1970

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# *Economic Intelligence Statistical Handbook 1970*

This handbook was produced solely by CIA. It was prepared by the Office of Economic Research. Data on military expenditures and equipment and on the construction of maritime vessels were supplied by the Office of Strategic Research.



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## EUROPEAN NATO

LAND MASS: 2,878,000 square kilometers

INHABITANTS: 304.7 million

GNP: US $ 660 billion

## CANADA

LAND MASS: 9,976,000 square kilometers

INHABITANTS: 21.1 million

GNP: US $ 69 billion

## UNITED STATES

LAND MASS: 9,363,000 square kilometers

INHABITANTS: 203.2 million

GNP: US $ 890 billion

## CUBA

LAND MASS: 115,000 square kilometers

INHABITANTS: 7.7 million

GNP: US $ 3.0 billion *1957 prices*

*NOTE:* The data for gross national product (GNP) are for 1969 (in 1968 prices) converted to US purchasing power equivalents, except for Canada, India, Cuba, Communist China, North Vietnam, and North Korea. Data for Canada (in 1968 prices) are GNP converted at the par value exchange rate of 1.081 Canadian dollars to US $1. Data for India (in 1968 prices) are GNP converted at the par value exchange rate of 7.5 rupees to US $1. Data for Cuba (in 1957 prices) are GNP for 1968 converted to US dollars using prevailing exchange rates. Data for Cuba are given in 1957 prices to minimize the inflationary effects during the last several years. Data for GNP for Communist China are for 1966 and for North Vietnam (in 1964 prices) for 1964. Data for North Korea (in 1967 prices) are for GNP for 1966 and are converted at the exchange rate of 1.2 won to US $1. All data on inhabitants are for midyear 1969 and data on land mass are for the latest year available.

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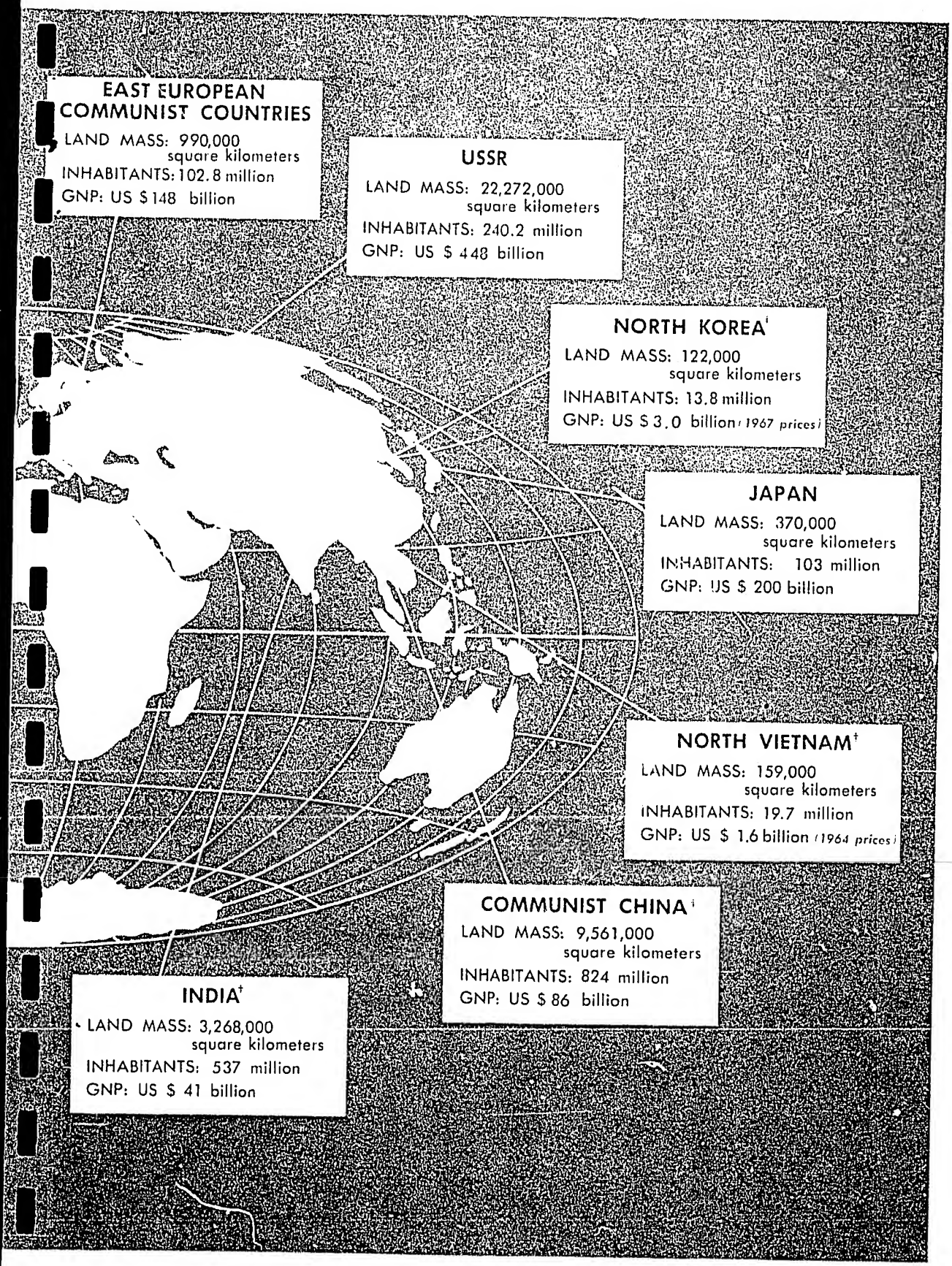
# ECONOMIC PROFILE† 1969

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# FOREWORD

1. *Purpose and Scope*

The *Economic Intelligence Statistical Handbook, 1970* provides statistics on the economies of the Communist countries and the countries of the North Atlantic Treaty Organization (NATO)—including France. New tables and graphics have been added to make possible more explicit comparisons.

In general, the data in the *Handbook* are for 1960 and 1965-69. A summary table is presented for European NATO, Eastern Europe, each of the Communist countries, selected NATO countries, India, and Japan. The data for Mongolia, because of their scarcity, are presented in a summary table but, in general, are not included in the individual commodity or aggregative tables. The graphics are designed for use as visual aids. Footnotes have been used liberally to give definitions, exceptions, and methodology. Footnotes to the commodity tables give more detailed definitions of the data than those appearing for the commodities on the summary table for each country. Therefore, the footnotes to the commodity tables should be referred to when a complete description of the data shown is required.

2. *Rounding of the Totals*

In each table the data for the individual countries have been rounded consistently. Because of the limitations in the cumulative data, the totals have been rounded, with some exceptions, to three significant digits. In general, zeros appearing after the last nonzero number following the decimal point are not significant but are used merely for consistency in presentation.

Totals are not presented if missing data are believed to represent a significant part of the total. In general, data are not given for countries for which a significant amount of data is not available. Because of rounding, components may not add to the totals shown.

3. *Symbols*

The abbreviation *N.A.* (not available) is used when information about the existence of the data or the magnitude of the data is not available, and the abbreviation *Negl.* (negligible) is used when the magnitude of the data is less than half of the final unit employed for each table. The metric system is used throughout.

4. *Classification of Data*

The overall classification of the *Handbook* is SECRET/NO FOREIGN DISSEM. The unclassified data, indicated by an asterisk (*), may be official data of the country cited or may be unclassified estimates of this Office. Tables in which all of the data are unclassified have been identified accordingly. *Classified data, however, frequently occur on the reverse of the page, and, therefore, caution should be exercised if pages are removed from this publication.*

5. *Sources*

The data given for the most recent years are frequently preliminary and subject to revision. The data for the Communist countries are estimates of this Office, official data from the country cited, or estimates made by other organizations. The data for the NATO and other Free World countries are from publications of the United Nations and the Organization for Economic Cooperation and Development (OECD), are from unclassified publications of other international organizations or individual countries of the Free World, or are estimates of this Office.

6. *Terms*

Unless otherwise indicated, the term *Communist Countries* includes the USSR, the countries of Eastern Europe, Communist China, North Korea, North Vietnam, Albania, Cuba, and Yugoslavia; the



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term *Eastern Europe* includes Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, and Romania. The term *NATO* includes the United States, Belgium, Canada, Denmark, France, Greece, Iceland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Turkey, the United Kingdom, and West Germany. The term *developed countries* includes Austria, Belgium, Denmark, Finland, France, Iceland, Ireland, Italy, Liechtenstein, Luxembourg, Norway, the Netherlands, Sweden, Switzerland, the United Kingdom, West Germany, Australia, Canada, Japan, New Zealand, South Africa, and the United States. The term *less developed countries of the Free World* includes (1) all countries of Africa except the Republic of South Africa, (2) all countries of East Asia except Japan, (3) Portugal and Spain in Europe, (4) all countries in Latin America except Cuba, and (5) all countries in the Near East and South Asia.

As far as possible, production data for the Saar have been included in the data for West Germany for all years, unless otherwise indicated. Data for Alaska and Hawaii, when available, have been included in the total for the United States. Data for any of the above country groupings may or may not include all of the countries listed above, depending on the commodity or services listed.





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Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


# CONTENTS

Economic Profile, 1969 — *Frontispiece*

*Table* — *Page*

## I. ECONOMIC AND MILITARY INDICATORS

*Gross National Product in the US and the USSR (Figure 1)* ..... *preceding page* 1

### A. GROSS NATIONAL PRODUCT

1 Gross National Product ..... 1
2 Gross National Product, by End Use, in the US and the USSR ..... 2
*Aggregate Factor Productivity in the USSR (Figure 2)* ..... *preceding page* 3
*Per Capita Gross National Product in Selected Countries (Figure 3)* ..... *preceding page* 3
3 Percentage Distribution of Soviet Gross National Product, by End Use ..... 3

### B. INDUSTRIAL AND AGRICULTURAL PRODUCTION

4 Indexes of Industrial Production ..... 4
*Indexes of Industrial and Agricultural Production in the US and the USSR (Figure 4)* ..... *preceding page* 5
*Industrial and Agricultural Factor Productivity in the USSR (Figure 5)* ..... *preceding page* 5
5 Indexes of Agricultural Production in the East European Communist Countries ..... 5
6 Average Annual Rates of Growth of Industrial Production, by Branch of Industry, in the USSR ..... 5
7 Indexes of Gross Industrial Production in the Communist Countries 6

### C. SOVIET INVESTMENT AND FINANCE DATA

8 Soviet State Budget ..... 7
9 Soviet Gross Fixed Capital Investment ..... 8
10 Soviet Stocks of Fixed Capital ..... 9
11 Drawings and Scheduled Repayments on Western Credits to the USSR ..... 10
*Soviet Hard Currency Balance of Payments (Figure 6)* ..... *preceding page* 11
*Production, Disposition, and Reserves of Gold in the USSR (Figure 7)* ..... *preceding page* 11


Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9



*Table* *Page*

**D. COMPARATIVE PERFORMANCE AND PLAN DATA**


12 Selected Economic Data for the US and the USSR ..... 11
13 Factors of Consumption for the US and the USSR ..... 12
14 Soviet Economic Plan for 1970 ..... 13


**E. MILITARY EXPENDITURES, EQUIPMENT, AND PORT CAPACITIES**


15 Defense Expenditures, by Major Mission, in the US and the USSR ..... 14
*Soviet Expenditures for Defense and Space (Figure 8)* ..... *preceding page* 15
16 Soviet Expenditures for Defense and Space, by Major Mission ..... 15
17 Soviet Expenditures for Defense and Space, by Category of Expenditures ..... 16
18 Construction of Naval Ships, by Type, in the Communist Countries ..... 17
19 Production of Military Aircraft, by Type, in the United States and the Communist Countries ..... 18
*Military Capacities of Selected Ports (Figure 9)* ..... *preceding page* 19


## II. POPULATION AND COUNTRY TABLES

**A. POPULATION**


20 Population ..... 19
21 Labor Force ..... 20
22 Nonagricultural Labor Force ..... 20
23 Agricultural Labor Force ..... 21


**B. COUNTRY TABLES: SELECTED ECONOMIC DATA**


24 United States ..... 22
25 European NATO ..... 23
26 France ..... 24
27 Italy ..... 25
25X6 28 [redacted] ..... 26
29 [redacted] ..... 27
30 India ..... 28
25X6 31 [redacted] ..... 29
32 USSR ..... 30
33 Eastern Europe ..... 31
34 Bulgaria ..... 32
35 Czechoslovakia ..... 33
36 East Germany ..... 34
37 Hungary ..... 35
38 Poland ..... 36






Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9



| Table | | Page |
|---|---|---|
| 39 | Romania | 37 |
| 40 | Communist China | 38 |
| 41 | North Korea | 39 |
| 42 | North Vietnam | 40 |
| 43 | Albania | 41 |
| 44 | Cuba | 42 |
| 45 | Mongolia | 43 |
| 46 | Yugoslavia | 44 |


## III. FOREIGN TRADE


| | | |
|---|---|---|
| | *Direction of Foreign Trade of the Communist Countries (Figure 10)* ... *preceding page* | 45 |
| 47 | World Exports, by Selected Country and Region | 45 |
| 48 | Trade of the US with the USSR and East European Communist Countries | 45 |
| 49 | Trade of the US with the USSR, by Commodity | 46 |
| 50 | Trade Turnover of the Communist Countries | 47 |
| 51 | Trade Among the Communist Countries | 48 |
| 52 | Trade of the Communist Countries with the Free World | 49 |
| 53 | Soviet Foreign Trade | 50 |
| 54 | Soviet Exports | 51 |
| 55 | Soviet Imports | 52 |
| 56 | Soviet Exports of Petroleum | 53 |
| 57 | Soviet Imports of Chemical Equipment | 53 |
| 58 | Chinese Communist Foreign Trade | 54 |
| 59 | Chinese Communist Exports | 55 |
| 60 | Chinese Communist Imports | 56 |


## IV. AID


| | | |
|---|---|---|
| | *US and Soviet Economic Aid Extended to Less Developed Countries of the Free World (Figure 11)* ... *preceding page* | 57 |
| | *US and Soviet Military Aid to Less Developed Countries of the Free World (Figure 12)* ... *preceding page* | 57 |
| | *Soviet Economic Aid Extended (Figure 13)* ... *preceding page* | 57 |


### A. COMMUNIST AID DELIVERED TO NORTH VIETNAM


| | | |
|---|---|---|
| | *Economic and Military (Figure 14)* ... *preceding page* | 57 |
| 61 | Soviet Military | 57 |
| 62 | Chinese Communist Military | 58 |


### B. COMMUNIST AID TO LESS DEVELOPED COUNTRIES OF THE FREE WORLD

#### 1. Extensions and Drawings


| | | |
|---|---|---|
| | *Economic and Military, by Area (Figure 15)* ... *preceding page* | 59 |



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


*Table* *Page*

*Soviet Economic and Military, by Area (Figure 16)* ..... *preceding page* 59
*Chinese Communist Economic and Military, by Area (Figure 17)* ..... *preceding page* 59
63 Economic ..... 59
64 Military ..... 60
*Net Flows of Soviet Military and Economic Aid to the Less Developed Countries of the Free World (Figure 18)* ..... *preceding page* 61
65 Net Flows of Soviet Productive Resources to Less Developed Countries of the Free World ..... 61

**2. Recipient and Donor**

66 Economic and Military ..... 62
67 Economic ..... 64
68 Military ..... 66

**3. Major Deliveries of Military Equipment**

69 Land Armaments and Naval Ships, by Recipient ..... 67
70 Aircraft and Guided Missile Systems, by Recipient ..... 68
71 Recipients in 1969 ..... 69

**4. Trainees**

72 Academic, Technical, and Military Departures for Training in Communist Countries ..... 70
73 Military Personnel in Communist Countries ..... 71
74 Communist Economic and Military Technicians in Less Developed Countries of the Free World, by Country ..... 72

## V. INDUSTRIAL PRODUCTS AND RAW MATERIALS

### A. CHEMICALS

75 Sulfuric Acid ..... 73
76 Synthetic Ammonia ..... 74
77 Caustic Soda ..... 75
78 Mineral Fertilizer, Nutrient Content ..... 76
79 Mineral Fertilizer ..... 77
80 Plastics ..... 77

### B. RUBBER AND RUBBER PRODUCTS

81 Natural Rubber ..... 77
82 Synthetic Rubber ..... 78
83 Rubber Tires ..... 78

### C. FUELS AND POWER

84 Primary Energy ..... 79
85 Hard Coal ..... 80
86 Brown Coal and Lignite ..... 81
87 Metallurgical Coke ..... 82



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


*Table* *Page*

88 Crude Oil ..... 83
89 Petroleum Products ..... 84
90 Natural Gas ..... 85
91 Electric Power ..... 86
92 Installed Electric Generating Capacity ..... 87

**D. FERROUS AND FERROALLOYING ORES AND METALS**

93 Crude Steel ..... 88
94 Rolled Steel ..... 89
95 Pig Iron ..... 90
96 Iron Ore ..... 91
97 Manganese Ore ..... 92
98 Refined Nickel ..... 93
99 Chromite ..... 94
100 Molybdenum ..... 95
101 Cobalt ..... 95
102 Tungsten Ore ..... 96

**E. NONFERROUS ORES AND METALS**

103 Gold ..... 97
104 Refined Copper ..... 98
105 Primary Aluminum ..... 99
106 Bauxite ..... 100
107 Smelter Lead ..... 101
108 Refined Zinc ..... 102
109 Primary Tin Metal ..... 103
110 Primary Magnesium ..... 104
111 Titanium Sponge Metal ..... 104

**VI. CONSUMER GOODS, PRODUCERS' GOODS, AND CONSTRUCTION**

**A. CONSUMER GOODS**

112 Footwear ..... 105
113 Woven Cotton Fabrics ..... 105
114 Woven Woolen Fabrics ..... 106
115 Woven Rayon and Acetate Fabrics ..... 107
116 Synthetic Fibers ..... 107

**B. PRODUCERS' GOODS**

117 Metalcutting Machine Tools ..... 108
118 Metalforming Machine Tools ..... 108
119 Metallurgical Equipment ..... 109
120 Electric Motors ..... 109
121 Electric Generators ..... 110


Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9



*Table* *Page*

122 Turbines ..... 110
123 Digital Computers ..... 111

**C. CONSTRUCTION**

124 Total Housing Construction ..... 111
125 Production of Cement ..... 112

**VII. AGRICULTURE**

*Selected Agricultural Inputs and Output in the US and the USSR (Figure 19)* ..... *preceding page* 113

**A. PRODUCTION OF FOOD CROPS**

126 Grain ..... 113
127 Breadgrain ..... 114
128 Coarse Grain ..... 115
129 Rice ..... 116
130 Potatoes ..... 117

**B. PRODUCTION OF PROCESSED FOODS AND FISH CATCH**

131 Meat ..... 118
132 Milk ..... 119
133 Sugar ..... 120
134 Fish Catch ..... 121

**C. INVENTORY OF LIVESTOCK**

135 Cattle ..... 122
136 Hogs ..... 123

**D. PRODUCTION OF SELECTED FIBERS**

137 Ginned Cotton ..... 124
138 Wool ..... 125

**E. PRODUCTION OF EQUIPMENT**

139 Grain Combines ..... 126
140 Tractors ..... 126

**VIII. TRANSPORTATION AND COMMUNICATIONS**

*Domestic Transport Performance in the US and the USSR (Figure 20)* ..... *preceding page* 127

**A. TRANSPORTATION PERFORMANCE**

141 Railroad Freight, in Ton-Kilometers ..... 127
142 Railroad Freight, in Tons Carried ..... 128



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


*Table* *Page*
143 Motor Vehicle Freight, in Ton-Kilometers ..... 129
144 Motor Vehicle Freight, in Tons Carried ..... 129
145 Inland Water Freight, in Ton-Kilometers ..... 130
146 Inland Water Freight, in Tons Carried ..... 131
147 Ocean Freight, in Ton-Kilometers ..... 132
148 Air Passenger Traffic, in Passenger-Kilometers ..... 132
149 Airfreight Traffic, in Ton-Kilometers ..... 133
150 Petroleum Pipeline Transportation, in Ton-Kilometers ..... 133
151 Petroleum Pipeline Transportation, in Tons Carried ..... 133

**B. PRODUCTION OF TRANSPORTATION EQUIPMENT**

152 Maritime Cargo Ships ..... 134
153 Maritime Tankers ..... 135
154 Fishing Ships ..... 135
155 Locomotives ..... 136
156 Diesel Locomotives ..... 137
157 Electric Locomotives ..... 137
158 Railroad Freight Cars ..... 138
159 Passenger Automobiles ..... 139
160 Trucks and Buses ..... 140

**C. INVENTORY OF TRANSPORTATION EQUIPMENT**

161 Civil Aircraft ..... 141
162 Locomotives ..... 142
163 Railroad Freight Cars ..... 143
164 Civilian Trucks ..... 144
165 Merchant Fleet ..... 145
166 Tanker Fleet ..... 146

**D. COMMUNICATIONS**

167 Telephones in Use ..... 147
168 Long-Distance Telephone Calls ..... 148
169 Telegrams Sent over the Domestic System ..... 149
170 Semiconductors ..... 150
171 Radio Receivers ..... 150
172 Television Receivers ..... 151
173 Radio Receivers in Public Use ..... 152
174 Television Receivers in Public Use ..... 153

**IX. CONVERSION FACTORS AND RATES OF EXCHANGE**

175 Selected Conversion Factors ..... 154
176 Rates of Exchange for Currencies of the Communist Countries ..... 155
177 Cross Rates of Exchange for Currencies of the NATO Countries ..... 156


Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

ECONOMIC AND
MILITARY INDICATORS

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Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

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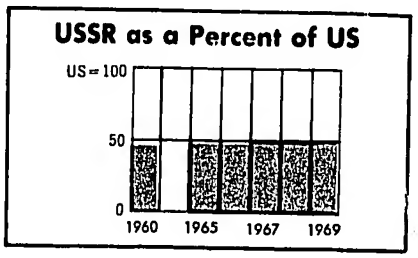
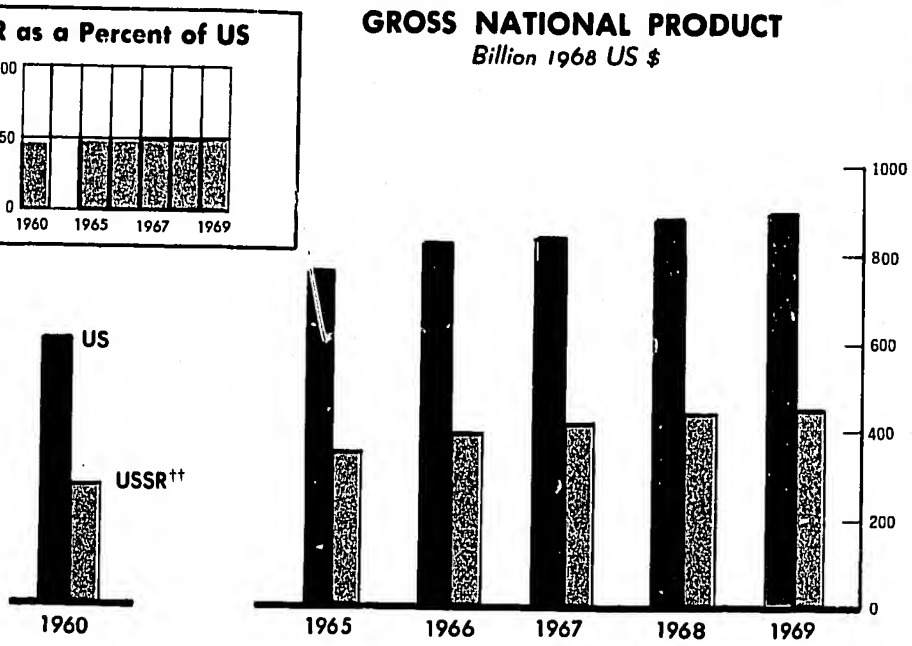
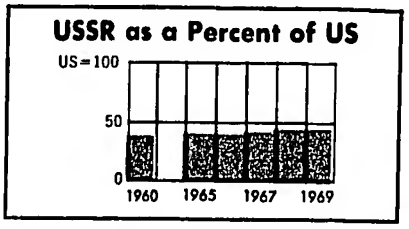
Figure 1

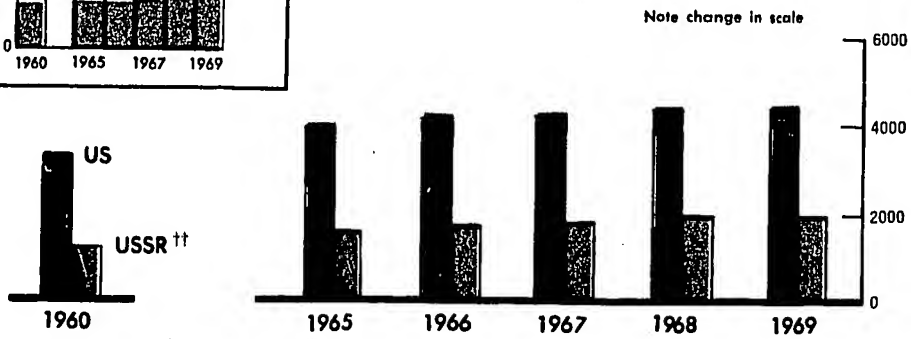
# GROSS NATIONAL PRODUCT† IN THE US AND THE USSR

| | | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|
| GNP (Billion 1968 US $) | | | | | | | |
| | US | 596.1 | 755.1 | 805.4 | 824.9 | 865.7 | 890.3 |
| | USSR†† | 272.0 | 360.2 | 384.6 | 410.2 | 434.1 | 448.0 |
| | Difference | 324.1 | 394.9 | 420.8 | 414.7 | 431.6 | 442.3 |
| GNP (USSR as a Percent of US) | | 46 | 48 | 48 | 50 | 50 | 50 |
| GNP Per Capita (1968 US $) | | | | | | | |
| | US | 3300 | 3880 | 4090 | 4140 | 4300 | 4380 |
| | USSR†† | 1270 | 1560 | 1650 | 1740 | 1830 | 1870 |
| GNP Per Capita (USSR as a Percent of US) | | 38 | 40 | 40 | 42 | 43 | 43 |




† At market prices.
†† Converted at US purchasing power equivalents.

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Table 1

Estimated Gross National Product at Market Prices

| | Billion 1968 US $ (Converted a US Purchasing Power Equivalent [a]) | | | | | | Average Annual Rate of Growth [b] (Percent) | |
|---|---|---|---|---|---|---|---|---|
| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 | 1961–65 | 1966–69 |
| NATO Countries | 1,080* | 1,370* | 1,450* | 1,490* | 1,560* | 1,620* | 4.9* | 4.2* |
| United States | 596.1* | 755.1* | 805.4* | 824.9* | 865.7* | 890.3* | 4.8* | 4.2* |
| Canada [c] | 44.1* | 57.7* | 61.4* | 63.1* | 66.1* | 69.3* | 5.5* | 4.7* |
| European NATO | 440* | 560* | 580* | 600* | 630* | 660* | 4.9* | 4.2* |
| Of which: | | | | | | | | |
| Belgium | 18.0* | 23.1* | 23.8* | 24.6* | 25.5* | 27.0* | 5.1* | 4.0* |
| Denmark | 9.3* | 11.9* | 12.2* | 12.7* | 13.1* | 13.9* | 5.2* | 3.8* |
| France | 93.6* | 124.3* | 131.2* | 137.4* | 143.2* | 155.1* | 5.8* | 5.7* |
| Italy | 57.3* | 73.7* | 78.1* | 83.1* | 87.9* | 92.3* | 5.2* | 5.8* |
| Netherlands | 20.2* | 25.8* | 26.5* | 28.1* | 29.8* | 31.2* | 5.0* | 4.9* |
| Norway | 6.5* | 8.5* | 8.8* | 9.3* | 9.7* | 10.4* | 5.4* | 5.4* |
| United Kingdom | 104.1* | 122.9* | 125.4* | 127.9* | 131.5* | 134.0* | 3.4* | 2.2* |
| West Germany [d] | 109.3* | 139.8* | 143.2* | 142.8* | 153.1* | 165.4* | 5.0* | 4.3* |
| Communist Countries | | | | | | | | |
| USSR and Eastern Europe | 374 | 484 | 515 | 546 | 576 | 596 | 5.3 | 5.3 |
| USSR | 272.0 | 360.2 | 384.6 | 410.2 | 434.1 | 448.0 | 5.8 | 5.6 |
| Eastern Europe | 102* | 123* | 130* | 136* | 142* | 148* | 3.8* | 4.7* |
| Bulgaria | 5.5* | 7.5* | 8.1* | 8.6* | 9.2* | 9.8* | 6.4* | 6.9* |
| Czechoslovakia | 22.8* | 24.3* | 25.5* | 26.7* | 27.6* | 28.4* | 1.3* | 4.0* |
| East Germany | 25.0* | 29.2* | 30.4* | 31.7* | 33.0* | 34.5* | 3.2* | 4.3* |
| Hungary | 9.9* | 12.1* | 12.7* | 13.2* | 13.5* | 13.9* | 4.1* | 3.5* |
| Poland | 26.3* | 33.9* | 35.9* | 37.2* | 38.8* | 40.0* | 5.2* | 4.2* |
| Romania | 12.4* | 16.4* | 17.9* | 18.9* | 20.0* | 21.1* | 5.8* | 6.5* |

* *An asterisk indicates that the data are unclassified.*

[a] For the individual European NATO countries, the ratios for converting gross national product (GNP) in national currencies at 1968 prices into 1968 US dollars on the basis of US purchasing power equivalents are derived from the 1950 ratios in Milton Gilbert and Associates, *Comparative National Products and Price Levels*, OEEC, Paris, 1958, using the geometric mean of European and US weighted ratios. These 1950 ratios were moved to 1968 by applying the following factor: the derived price indexes for each European country for 1950–68 divided by a derived price index for the United States for 1950–68. These price indexes were derived for each country by dividing the growth of GNP in current prices by the growth of GNP in constant prices. The ratios thus obtained were applied to the GNP values, given in the national currencies in 1968 prices. The total GNP for the European NATO countries is based on the estimate that the total GNP of the individual countries shown represents 95% of the total European NATO GNP, which is the approximate relationship derived from other sources. The values shown for the Communist countries have been calculated in a manner which makes them reasonably comparable with the values shown for the NATO countries.

[b] The base year is the year prior to the stated period. Rates of growth are derived from unrounded data.

[c] Converted at the exchange rate of 1.081 Canadian dollars to US $1.

[d] Including data for West Berlin, for which separate data are not available.


Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 2

Gross National Product, by End Use, in the US and the USSR
1968

| | Billion 1968 US $ [a] | | USSR as a Percent of US |
|---|---|---|---|
| | US | USSR | |
| Consumption | 582.9* | 225.0 | 39 |
| New fixed investment | 149.9* | 132.4 | 88 |
| Defense | 81.5* | 58.9 | 72 |
| Other | 51.3* | 46.3 | 90 |
| GNP | 865.7* | 434.1 [b] | 50 |

* *An asterisk indicates that the data are unclassified.*

[a] US market prices. Total Soviet gross national product (GNP) and the various end uses were converted to dollars not by the official rate of exchange but by the average purchasing power ratio of the dollar and the ruble calculated from actual or estimated prices paid for various goods and services in the two economies. For GNP as a whole and for each end use component of GNP, these average ratios (ruble-dollar ratios) were estimated by weighting individual price ratios by both US and Soviet expenditure weights. The geometric mean of the US weighted and Soviet weighted ratios was then used for the conversion of Soviet values into dollars.

The magnitudes for the Soviet end use components were calculated to measure quantity of output compared with the United States but not the cost in resources. The share of total economic resources devoted to a particular end use or the share of total output originating in an individual sector (for example, agriculture or industry) in the USSR should be measured in internal ruble prices and costs. Agriculture alone, for example, uses 32% of the labor force, or 41 million people, as a result of the inefficiency of that sector in the USSR.

The adjusted end uses of GNP are defined as follows:

(1) Consumption comprises personal expenditures for goods and services for all purposes and noninvestment outlays by government for goods and services for health and education. (The personal consumption expenditures for the United States are $536.6 billion.)

(2) Investment is defined (a) for both the United States and the USSR as the sum of expenditures for gross private domestic investment net of inventories; for public construction other than that for defense facilities; for equipment purchased by the government except that for defense; and for defense stockpiling and defense-production expansion; and (b) for the United States, as also including expenditures by state and local government for development of atomic energy. (The gross private domestic investment for the United States is $126.3 billion.)

(3) Defense as a component of GNP comprises government purchases of goods and services for the military services, federal government expenditures on atomic energy development, and outlays on space research and technology. Defense excludes stockpiling activities and net military grants for foreign military assistance. (The federal government purchases of goods and services for national defense, excluding purchases by NASA, for the United States are $78.0 billion.)

(4) Other for the USSR includes inventory change, administration, net exports, and a statistical discrepancy. Administration includes expenditures on civilian internal security, general agricultural programs, public organizations, government administration, and social welfare. Other for the United States includes administration, net exports and military assistance, change in inventories and stockpiles, and a statistical discrepancy. Administration is the residual left after all current expenditures for national defense, health, education, and all capital expenditures are subtracted from government purchases of goods and services. (There is no equivalent category for the unadjusted data for the United States.)

[b] The sum of the end use components of Soviet GNP, valued in dollars, does not equal the dollar value of aggregate GNP, because of the use of average ruble-dollar ratios in converting from ruble values to dollar values. Nevertheless, the individual end use components were not adjusted to agree with the total, since the US-USSR comparisons shown are believed to give the best available description of relative size.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

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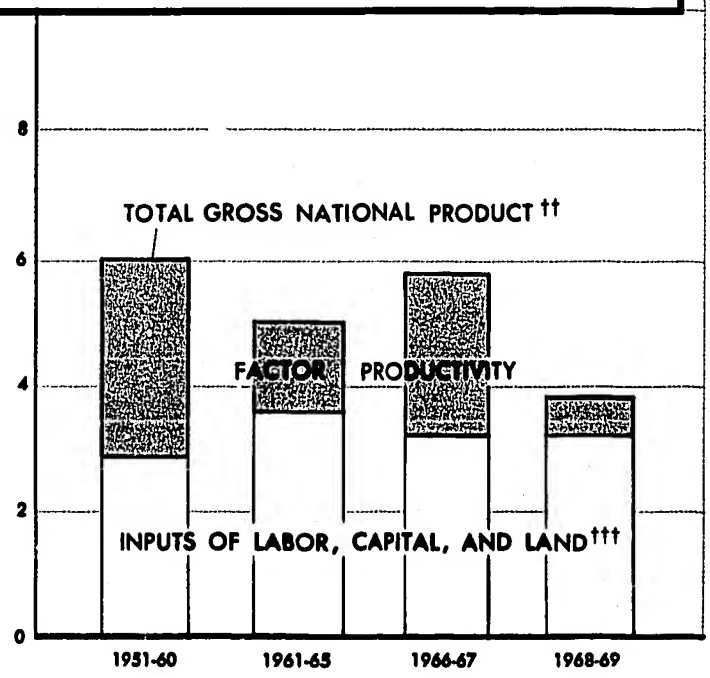
Figure 2

# AGGREGATE FACTOR PRODUCTIVITY IN THE USSR

| | AVERAGE ANNUAL RATE OF GROWTH (PERCENT) † | | | |
|---|---|---|---|---|
| | 1951-60 | 1961-65 | 1966-67 | 1968-69 |
| GROSS NATIONAL PRODUCT †† | 6.0 | 5.0 | 5.8 | 3.8 |
| FACTOR PRODUCTIVITY | | | | |
| Labor (manhours), capital, and land | 3.0 | 1.4 | 2.6 | 0.6 |
| Manhours | 5.4 | 3.1 | 4.0 | 1.9 |
| Capital (including livestock) | −3.0 | −3.3 | −1.6 | −3.3 |
| Land | 2.9 | 4.4 | 6.4 | 3.5 |
| INPUTS | | | | |
| Labor (manhours), capital, and land ††† | 2.9 | 3.6 | 3.2 | 3.2 |
| Manhours | 0.6 | 1.9 | 1.8 | 1.9 |
| Capital (including livestock) | 9.3 | 8.6 | 7.6 | 7.4 |
| Land | 3.0 | 0.6 | −0.6 | 0.3 |




† The base year is the year prior to the stated period.

†† Based on indexes of GNP (1960 rubles), by sector of origin, at factor cost.

††† Inputs of manhours, capital, and land are combined using weights of 69.21%, 26.41%, and 4.38%, respectively, in a Cobb-Douglas (linear homogeneous) production function. These weights represent the distribution of labor costs, charges on gross fixed capital (including livestock), and land rent in 1960, the base year for all indexes underlying the growth rate calculations.

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78265 6-70 CIA

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

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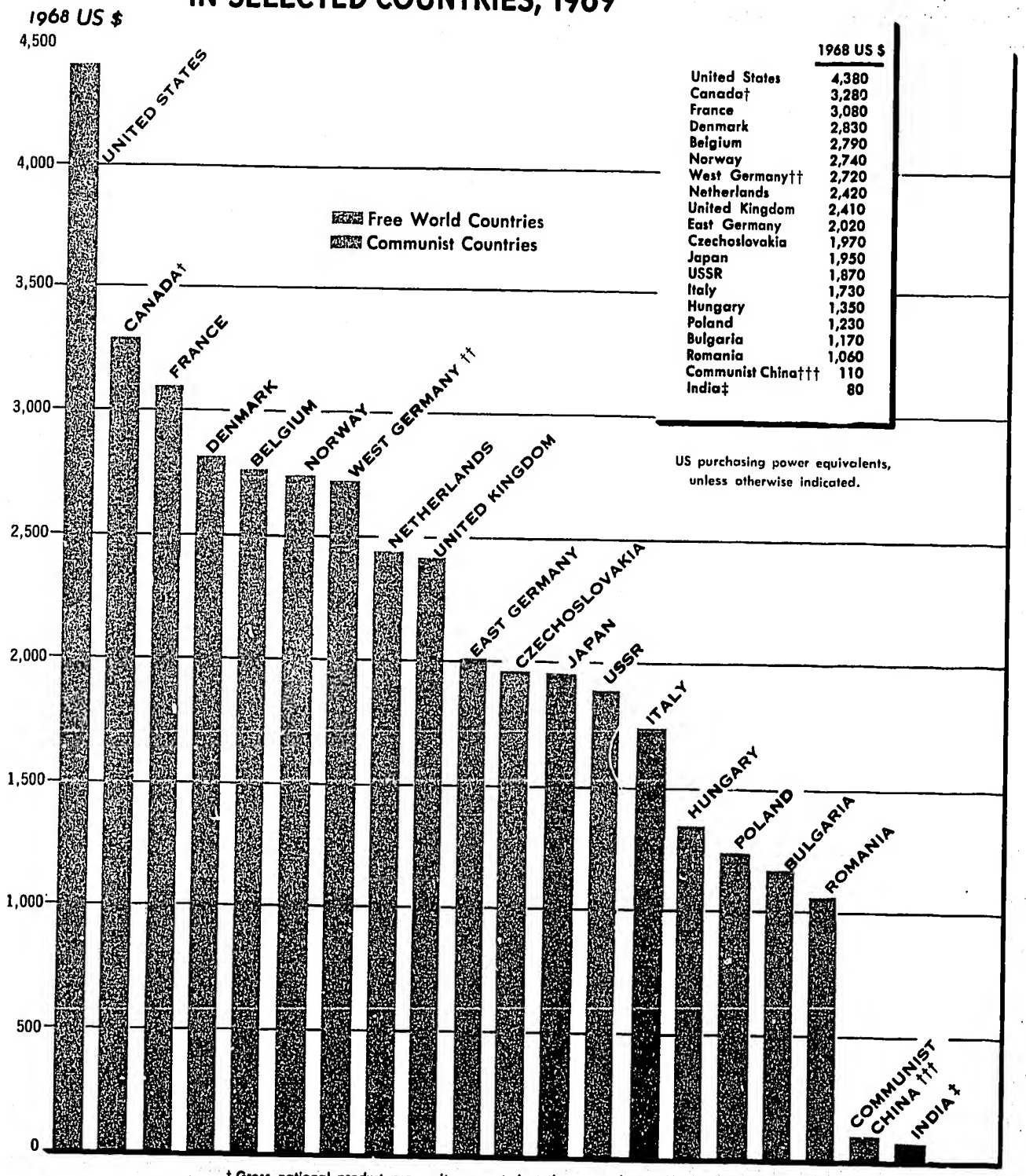
Figure 3

# PER CAPITA GROSS NATIONAL PRODUCT IN SELECTED COUNTRIES, 1969




| | 1968 US $ |
|---|---|
| United States | 4,380 |
| Canada† | 3,280 |
| France | 3,080 |
| Denmark | 2,830 |
| Belgium | 2,790 |
| Norway | 2,740 |
| West Germany†† | 2,720 |
| Netherlands | 2,420 |
| United Kingdom | 2,410 |
| East Germany | 2,020 |
| Czechoslovakia | 1,970 |
| Japan | 1,950 |
| USSR | 1,870 |
| Italy | 1,730 |
| Hungary | 1,350 |
| Poland | 1,230 |
| Bulgaria | 1,170 |
| Romania | 1,060 |
| Communist China††† | 110 |
| India‡ | 80 |

† Gross national product per capita converted at the par value exchange rate of 1.081 Canadian dollars to US $1.
†† Including West Berlin.
††† Data are for 1966.
‡ Gross national product per capita converted at the par value exchange rate of 7.5 rupees to US $1.

78266 6-70 CIA



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Table 3

Percentage Distribution of Soviet Gross National Product, by End Use
(Adjusted Factor Cost [a])

Percent of Total

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 [b] |
|---|---|---|---|---|---|---|
| Consumption | 59 | 56 | 57 | 57 | 57 | 58 |
| Investment | 28 | 30 | 31 | 32 | 33 | 33 |
| New fixed | 23 | 24 | 24 | 25 | 25 | 26 |
| Other [c] | 5 | 6 | 7 | 7 | 8 | 7 |
| Defense | 9 | 8 | 8 | 8 | 8 | 8 |
| Administration | 3 | 2 | 2 | 2 | 2 | 2 |
| Inventory change, net exports, and statistical discrepancy | 2 | 3 | 2 | 1 | *Negl.* | −1 |
| Total | 100 | 100 | 100 | 100 | 100 | 100 |

[a] Because of the well-known difficulties in using Soviet established prices as a measure of resource burden, the shares of gross national product (GNP) in this table are based on GNP at factor cost. In calculating GNP at factor cost, 1960 end use weights have been revised from an established price basis to a factor cost basis by subtracting turnover taxes and profits and adding amortization charges, implicit interest costs, agricultural land rent, and subsidies. These revised weights are then moved over time by indexes of the value of the various end uses in constant market prices.

[b] Preliminary.

[c] Civilian research and development and expenditures on capital repair.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 4

Indexes of Industrial Production [a] in Selected NATO and Communist Countries

| | 1960=100 | | | | | | Average Annual Rate of Growth [b] (Percent) | |
|---|---|---|---|---|---|---|---|---|
| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 [c] | 1961–65 | 1966–69 |
| NATO Countries | | | | | | | | |
| United States | 100* | 132* | 144* | 145* | 152* | 159* | 5.7* | 4.8* |
| Belgium | 100* | 132* | 134* | 137* | 144* | 160* | 5.7* | 4.9* |
| France | 100* | 128* | 137* | 141* | 148* | 167* | 5.1* | 6.9* |
| Italy | 100* | 140* | 156* | 169* | 180* | 185* | 7.0* | 7.2* |
| Luxembourg | 100* | 110* | 106* | 106* | 112* | 127* | 1.9* | 3.7* |
| Netherlands | 100* | 134* | 142* | 149* | 165* | 186* | 6.0* | 8.5* |
| United Kingdom | 100* | 116* | 118* | 118* | 124* | 129* | 3.0* | 2.7* |
| West Germany | 100* | 132* | 134* | 132* | 148* | 167* | 5.7* | 6.1* |
| Communist Countries | | | | | | | | |
| USSR and Eastern Europe | | | | | | | | |
| USSR [d] | 100 | 138 | 148 | 159 | 168 | 177 | 6.6 | 6.4 |
| Eastern Europe | 100* | 133* | 143* | 153* | 163* | 174* | 5.9* | 6.9* |
| Bulgaria | 100* | 173* | 194* | 220* | 246* | 271* | 11.6* | 11.9* |
| Czechoslovakia | 100* | 120* | 127* | 135* | 141* | 147* | 3.7* | 5.2* |
| East Germany | 100* | 119* | 125* | 131* | 138* | 148* | 3.5* | 5.6* |
| Hungary | 100* | 139* | 149* | 158* | 164* | 168* | 6.8* | 4.9* |
| Poland | 100* | 139* | 147* | 157* | 169* | 182* | 6.8* | 7.0* |
| Romania | 100* | 167* | 187* | 208* | 229* | 249* | 10.8* | 10.5* |
| Far East | | | | | | | | |
| Communist China [e] | 100 | 93–98 | 104–111 | 89–96 | 93–102 | *N.A.* | −0.9 [f] | 0.7 [f g] |
| Other | | | | | | | | |
| Yugoslavia | 100* | 166* | 173* | 172* | 183* | 203* | 10.7* | 5.2* |

* *An asterisk indicates that the data are unclassified.*

[a] Indexes for the NATO countries are value-added weighted indexes of intermediate and final products of industry. Industry includes manufacturing and mining and, in most countries, public utilities. Data for Belgium, France, Italy, Luxembourg, the Netherlands, the United Kingdom, and West Germany exclude the manufacture of food, beverages, and tobacco. The indexes for the Communist countries are estimates of this Office—constructed as nearly as possible on the same basis as the indexes for Western countries—or other calculations accepted by this Office. The indexes for the Communist countries include manufacturing, mining, and public utilities.

[b] The base year is the year prior to the stated period.

[c] Preliminary.

[d] Index of gross values for individual commodities and branches aggregated by 1960 value-added weights. The three sectors covered— materials, machinery, and nondurable consumer goods—constitute 47.0%, 30.1%, and 22.9%, respectively, of the value-added weights for industrial production. This index is as comparable as data will permit with the index of US industrial production of the US Federal Reserve Board.

[e] Estimates of this Office computed by applying value-added weights to data for commodity production. The data are fragmentary and uncertain; therefore, the index should be regarded as providing only a tentative indication of the general level and trend in production.

[f] Based on the midpoint of the range.

[g] Rate of growth for 1966–68.



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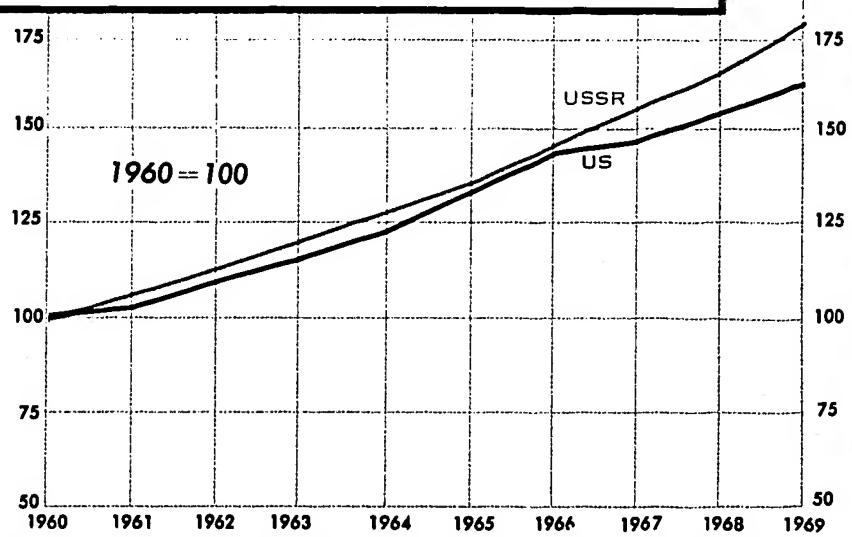
Figure 4

# INDEXES OF INDUSTRIAL AND AGRICULTURAL PRODUCTION IN THE US AND THE USSR

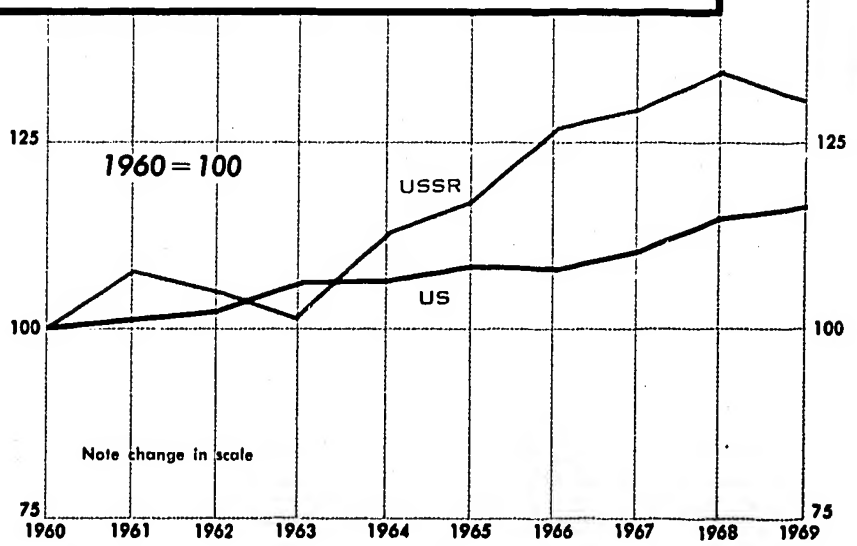
INDUSTRIAL PRODUCTION (1960=100)

| | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|
| US | 100 | 101 | 109 | 114 | 122 | 132 | 144 | 145 | 152 | 159 |
| USSR | 100 | 107 | 116 | 122 | 130 | 138 | 148 | 159 | 168 | 177 |




AGRICULTURAL PRODUCTION (1960=100)

| | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|
| US | 100 | 101 | 102 | 106 | 105 | 108 | 107 | 111 | 113 | 114 |
| USSR | 100 | 107 | 105 | 102 | 116 | 118 | 128 | 129 | 136 | 130 |




78267 6-70 CIA



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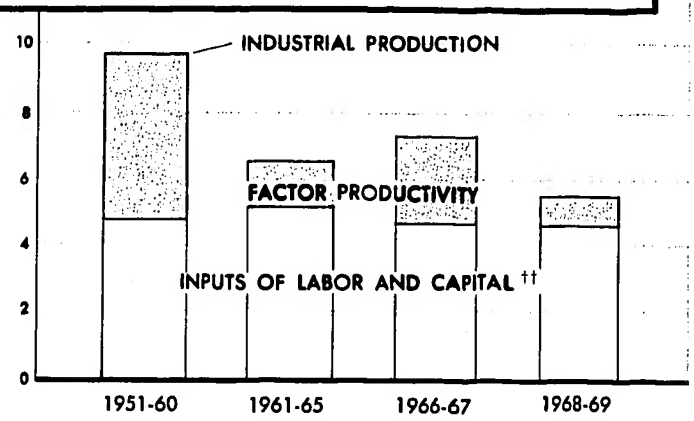
Figure 5

# INDUSTRIAL AND AGRICULTURAL FACTOR PRODUCTIVITY IN THE USSR

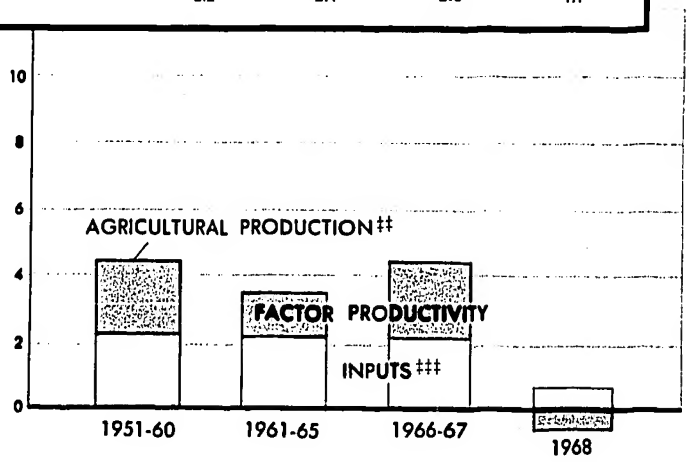
| | AVERAGE ANNUAL RATE OF GROWTH (PERCENT) † | | | |
|---|---|---|---|---|
| | 1951-60 | 1961-65 | 1966-67 | 1968-69 |
| INDUSTRIAL PRODUCTION | 9.8 | 6.6 | 7.3 | 5.5 |
| FACTOR PRODUCTIVITY | | | | |
| Labor (manhours) and capital | 4.8 | 1.4 | 2.4 | 0.9 |
| Manhours | 7.0 | 3.4 | 3.7 | 2.0 |
| Capital | −1.5 | −4.1 | −1.3 | −2.3 |
| INPUTS | | | | |
| Labor (manhours) and capital †† | 4.8 | 5.1 | 4.7 | 4.6 |
| Manhours | 2.6 | 3.2 | 3.4 | 3.5 |
| Capital | 11.5 | 11.2 | 8.7 | 8.0 |




† The base year is the year prior to the stated period.

†† Inputs of manhours and capital are combined using weights of 74.5% and 25.5%, respectively, in a Cobb-Douglas (linear homogeneous) production function. These weights represent the distribution of labor costs (wages and social insurance deductions) and capital costs (charges on fixed and working capital and depreciation) in 1960, the base year for all indexes underlying the growth rate calculations.

| | AVERAGE ANNUAL RATE OF GROWTH (PERCENT) ‡ | | | |
|---|---|---|---|---|
| | 1951-60 | 1961-65 | 1966-67 | 1968 |
| AGRICULTURAL PRODUCTION ‡‡ | 4.3 | 3.4 | 4.3 | 0.6 |
| FACTOR PRODUCTIVITY | 2.1 | 1.3 | 2.2 | −0.6 |
| INPUTS ‡‡‡ | 2.2 | 2.1 | 2.0 | 1.1 |




‡ The base year is the year prior to the stated period.

‡‡ Percentages were derived from output data, using three-year moving averages.

‡‡‡ Inputs of mandays, fixed capital, land, livestock, and current purchases are combined using weights of 57.3%, 8.4%, 17.3%, 2.9%, and 14.1%, respectively, in a Cobb-Douglas production function. These weights represent the monetary or imputed costs attributed to each of the inputs in 1959, the base for all indexes underlying the growth rate calculations.

78208 6-70 CIA



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

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Table 5

Indexes of Agricultural Production [a] in the East European Communist Countries

| | 1960=100 | | | | | | Average Annual Rate of Growth [b] (Percent) | |
|---|---|---|---|---|---|---|---|---|
| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 | 1961–65 | 1966–69 |
| Eastern Europe | 100* | 107* | 117* | 120* | 119* | 117* | 1.4* | 2.3* |
| Bulgaria | 100* | 120* | 142* | 143* | 126* | 128* | 3.7* | 1.6* |
| Czechoslovakia | 100* | 96* | 108* | 113* | 116* | 115* | −0.8* | 4.6* |
| East Germany | 100* | 104* | 107* | 112* | 114* | 105* | 0.8* | 0.2* |
| Hungary | 100* | 102* | 114* | 122* | 118* | 125* | 0.4* | 5.2* |
| Poland | 100* | 107* | 114* | 115* | 116* | 112* | 1.4* | 1.1* |
| Romania | 100* | 113* | 131* | 135* | 132* | 132* | 2.5* | 4.0* |

* *An asterisk indicates that the data are unclassified.*

[a] These indexes are estimates of this Office. They are based on the value of crop production less feed (including imported grain), seed, and waste; plus the value of livestock products, including changes in livestock numbers. FAO/OECD West European regional price weights (1952–56 average) were used to compute the indexes.

[b] The base year is the year prior to the stated period.

Table 6

Average Annual Rates of Growth [a] of Industrial Production, by Branch of Industry, in the USSR

Percent

| | 1961–65 | 1966–69 [b] | 1965 | 1966 | 1967 | 1968 | 1969 [b] |
|---|---|---|---|---|---|---|---|
| Industrial materials | 7.0 | 5.7 | 7.5 | 6.6 | 7.0 | 5.1 | 4.1 |
| Electric power | 11.5 | 8.0 | 10.0 | 7.6 | 7.7 | 8.8 | 7.9 |
| Coal | 2.7 | 1.8 | 4.4 | 1.9 | 2.2 | 0.6 | 2.4 |
| Petroleum products and natural gas | 10.9 | 7.9 | 9.0 | 9.0 | 9.0 | 7.1 | 6.6 |
| Ferrous metals | 8.0 | 5.8 | 7.3 | 7.6 | 6.6 | 6.4 | 2.8 |
| Nonferrous metals | 8.4 | 7.6 | 8.6 | 8.8 | 9.6 | 7.1 | 5.0 |
| Forest products | 3.4 | 3.6 | 1.7 | 1.9 | 5.9 | 4.0 | 2.8 |
| Paper and paperboard products | 7.7 | 6.4 | 12.8 | 10.5 | 8.2 | 5.1 | 2.0 |
| Construction materials | 8.0 | 6.0 | 9.3 | 9.7 | 7.8 | 3.9 | 2.8 |
| Chemicals | 10.6 | 8.0 | 14.5 | 10.0 | 10.6 | 5.9 | 5.7 |
| Machinery | 7.4 | 8.2 | 3.7 | 9.3 | 8.5 | 7.1 | 8.0 |
| Civilian | 8.6 | 8.9 | 6.5 | 9.5 | 8.3 | 8.9 | 8.9 |
| Military | 5.5 | 6.9 | −0.9 | 8.9 | 8.6 | 4.0 | 6.2 |
| Nondurable consumer goods | 4.8 | 5.2 | 7.9 | 5.1 | 6.9 | 5.1 | 3.7 |
| Soft goods | 3.2 | 6.4 | 2.3 | 7.4 | 7.0 | 5.6 | 5.4 |
| Processed foods | 6.7 | 3.9 | 14.7 | 2.6 | 6.8 | 4.5 | 1.8 |
| Total industrial production | 6.6 | 6.4 | 6.3 | 7.1 | 7.4 | 5.7 | 5.3 |

[a] The base year is the year prior to the stated period. Rates of growth are derived from unrounded data.

[b] Preliminary.


Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

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Table 7

Official Communist Indexes of Gross Industrial Production [a]

| | 1960=100 | | | | | | Average Annual Rate of Growth [b] (Percent) | |
|---|---|---|---|---|---|---|---|---|
| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 | 1961–65 | 1966–69 |
| COMMUNIST COUNTRIES | | | | | | | | |
| USSR and Eastern Europe | | | | | | | | |
| USSR | 100 | 151 | 164 | 180 | 195 | 209 | 8.6 | 8.5 |
| Eastern Europe | | | | | | | | |
| Bulgaria | 100 | 174 | 195 | 221 | 244 | 272 | 11.7 | 11.8 |
| Czechoslovakia | 100 | 129 | 138 | 148 | 156 | 164 | 5.2 | 6.2 |
| East Germany | 100 | 132 | 141 | 150 | 159 | 173 [c] | 5.7 | 7.0 |
| Hungary | 100 | 145 | 155 | 168 | 177 | 182 | 7.7 | 5.8 |
| Poland | 100 | 150 | 161 | 174 | 190 | 207 | 8.4 | 8.4 |
| Romania | 100 | 191 | 212 | 241 | 269 | 298 [c] | 13.8 | 11.8 |
| Far East | | | | | | | | |
| North Korea | 100 | 198 | 192 | 224 | 258 | *N.A.* | 14.6 | 9.2 [d] |
| North Vietnam | 100 | 184 | *N.A.* | *N.A.* | *N.A.* | *N.A.* | 13.0 | *N.A.* |
| Other | | | | | | | | |
| Albania [e] | 100 | 139 | 156 | 176 | 209 [c] | 232 [c] | 6.8 | 13.7 |

[a] These indexes are measures of the "gross" value of production of industry at constant prices. The gross value of production is, in general, the sum of the value of output of all industrial enterprises. The definition of industry in Communist countries includes not only manufacturing, mining, and public utilities, as in most Western definitions of industry, but also certain other activities (varying from country to country).

[b] The base year is the year prior to the stated period.

[c] Estimated.

[d] Rate of growth for 1966–68.

[e] Socialized industry only.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

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Table 8

Soviet State Budget

Billion New Rub

| Category | 1960 Actual | 1965 Actual | 1966 Actual | 1967 Actual | 1968 Actual | 1969 Plan | 1969 Actual | 1970 Plan |
|---|---|---|---|---|---|---|---|---|
| Revenues | | | | | | | | |
| Social Sector | 70.14 | 93.89 | 97.02 | 107.1 | 119.4 | 121.64 | 126.0 | 131.34 |
| Turnover Tax | 31.34 | 38.66 | 39.31 | 40.1 | 40.8 | 43.0 | 44.3 | 46.6 |
| Profit Deductions | 18.64 | 30.87 | 35.67 | 41.8 | 48.0 | 48.0 | 48.2 | 50.4 |
| Taxes on Enterprises and Organizations | 1.85 | 1.55 | 1.15 | 1.3 | 1.1 | | | |
| Social Insurance Receipts | 3.74 | 5.56 | 6.00 | 6.5 | 7.2 | 30.6 | 33.5 | 34.3 |
| Residual | 14.58 | 17.25 | 14.89 | 17.4 | 22.3 | | | |
| Private Sector | 6.94 [a] | 8.43 | 9.27 | 10.1 | 11.4 | 12.46 | 12.5 | 13.6 |
| State Taxes on the Population | 5.60 | 7.70 | 8.44 | 9.3 | 10.5 | 11.5 | 11.7 | 12.7 |
| State Loans | 0.91 [a] | 0.18 | 0.22 | 0.1 | 0.3 | 1.0 | 0.8 | 0.9 |
| Local Taxes and Lottery Revenue | 0.43 | 0.55 | 0.61 | 0.7 | 0.6 | | | |
| Total | 77.08 [a] | 102.32 | 106.30 | 117.16 | 130.84 | 134.10 | 138.5 | 144.93 |
| Expenditures | | | | | | | | |
| Financing the National Economy | 34.13 | 44.92 | 45.18 | 52.8 | 58.7 | 58.32 | 60.4 | 63.48 |
| Industry and Construction | 15.59 | 20.99 | 21.06 | 23.5 | 24.2 | 22.2 | *N.A.* | 23.9 |
| Agriculture and Procurement | 4.75 | 6.77 | 6.30 | 7.0 | 9.3 | 9.2 | *N.A.* | 9.5 |
| Transport and Communications | 2.81 | 2.83 | 2.61 | 2.6 | 2.7 | 2.6 | *N.A.* | 2.8 |
| Trade | 3.59 | 2.27 | 2.84 | *N.A.* | *N.A.* | 6.5 | *N.A.* | 6.1 |
| Municipal Economy and Housing | 3.22 | 4.23 | 4.53 | 5.0 | 5.2 | 4.9 | *N.A.* | 21.2 |
| Other | 4.17 | 7.83 | 7.83 | *N.A.* | *N.A.* | 12.9 | *N.A.* | |
| Social-Cultural Measures | 24.94 | 38.16 | 40.76 | 43.48 | 48.31 | 51.12 | 51.3 | 54.85 |
| Education, Science, and Culture | 10.31 | 17.51 | 18.73 | 20.09 | 21.85 | 23.2 | 23.2 | 24.5 |
| Health and Physical Culture | 4.84 | 6.67 | 7.10 | 7.45 | 8.14 | 8.4 | 8.5 | 9.2 |
| Social Welfare | 9.79 | 13.99 | 14.93 | 15.94 | 18.32 | 19.5 | 19.6 | 21.1 |
| Administration | 1.09 | 1.28 | 1.41 | 1.5 | 1.6 | 1.6 | 1.7 | 1.71 |
| Defense | 9.30 | 12.78 | 13.40 | 14.5 | 16.7 | 17.70 | 17.7 | 17.85 |
| Loan Service | 0.7 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 [b] | 0.2 [b] | 0.2 [b] |
| Reserve Funds of the Council of Ministers | 0 | 0 | 0 | 0 | 3.05 | 4.96 [b] | 5.8 [b] | 6.56 [b] |
| Residual | 2.97 | 4.38 | 4.73 | 2.76 | | | | |
| Total | 73.13 | 101.62 | 105.58 | 115.24 | 128.56 | 133.90 | 137.1 | 144.66 |
| Budget Surplus | 3.95 [a] | 0.70 | 0.72 | 1.92 | 2.28 | 0.20 | 1.4 | 0.27 |

[a] Including revenue from the savings deposits of the population.
[b] Estimated.

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Table 9

Soviet Gross Fixed Capital Investment, by Function and by Sector [a]

Million New Rubles [b]

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 [c] [d] |
|---|---|---|---|---|---|---|
| Total investment | 35,914 | 48,733 | 52,339 | 56,701 | 61,309 | 63,800 |
| By function [e] | | | | | | |
| Construction | 24,000 | 29,000 | 31,100 | 33,600 | 35,900 | 37,700 |
| Equipment | 9,700 | 16,300 | 17,200 | 18,600 | 20,300 | 20,800 |
| Other capital outlays | 2,200 | 3,400 | 4,100 | 4,500 | 5,100 | 5,300 |
| By sector | | | | | | |
| Industry [f] | 12,673 | 17,676 | 18,288 | 19,509 | 21,070 | 21,600 |
| Ferrous metallurgy | 1,192 | 1,543 | 1,466 | 1,681 | 1,700 [c] | 1,800 |
| Chemicals | 890 | 1,833 | 1,769 | 1,737 | 1,700 [c] | 1,700 |
| Fuels and power | 3,739 | 5,690 | 6,026 | 6,222 | *N.A.* | *N.A.* |
| Machine building | 1,787 | 2,755 | 3,021 | 3,423 | *N.A.* | *N.A.* |
| Construction materials | 997 | 866 | 911 | 975 | *N.A.* | *N.A.* |
| Consumer goods | 1,945 | 2,295 | 2,531 | 2,678 | 2,890 | 3,100 |
| Other | 2,123 | 2,694 | 2,564 | 2,793 | *N.A.* | *N.A.* |
| Construction industry | 1,021 | 1,312 | 1,547 | 1,785 | 2,040 | 2,200 |
| Agriculture | 4,891 | 8,574 | 9,385 | 10,014 | 11,225 | 11,800 |
| Housing | 8,209 | 8,162 | 8,957 | 9,643 | 10,120 | 10,800 |
| Transport and communications | 3,428 | 4,845 | 5,002 | 5,227 | 5,420 | 5,600 |
| Welfare services | 5,692 | 8,164 | 9,160 | 10,523 | 11,434 | 11,800 |

[a] The data for 1960 and 1965–68 are from the Soviet statistical handbook *Narodnoye khozyaystvo SSSR* for 1967 and 1968. It should be noted that Soviet investment data are subject to frequent revision. In fact there is evidence that the data for 1968 have been altered to some degree (see *Vestnik statistiki*, no 2, 1970, p. 92–93). The evidence, however, is not sufficient to warrant presentation of a complete revision.

[b] Data are expressed in investment prices of 1 July 1955 adjusted to reflect subsequent introduction of the following changes: new unit valuations (1956), reduction of overhead cost norms (1958), reduction of equipment installation prices (1959), and reduction of prices for project-survey work and of unit valuations for some types of construction-installation work (1962).

[c] Estimated to the nearest hundred million rubles. The data were first estimated in prices of 1 January 1969 (the reporting prices for investment now in official use) and were then converted to prices of 1 July 1955 using estimated conversion ratios. When Soviet handbooks for 1969 and 1970 are published, they may show the old (1955) prices through 1970 (the end of the current five-year plan) or a new series for 1969 and 1970 in prices of 1 January 1969 linked to the old by a common year (1968 or 1969) or an entirely revised series in prices of 1 January 1969.

[d] Preliminary.

[e] Rounded to the nearest hundred million rubles.

[f] Excluding the construction industry. Investment figures for individual branches of industry have been estimated for 1968 and 1969.



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Table 10

Soviet Stock of Fixed Capital, by Sector [a]

Billion New Rubles [b]

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 [c] |
|---|---|---|---|---|---|---|
| Total capital stock [d] | 328 | 496 | 534 | 574 | 616 | 660 |
| Industry | 84 | 144 | 157 | 170 | 183 | 197 |
| Ferrous metallurgy | 8 | 15 | 17 | 18 | 19 | 20 |
| Chemicals | 4 | 12 | 13 | 15 | 16 | 17 |
| Fuels and power | 24 | 41 | 45 | 49 | 53 | 58 |
| Machine building | 17 | 28 | 30 | 33 | 36 | 39 |
| Construction materials | 5 | 9 | 10 | 11 | 11 | 12 |
| Consumer goods | 12 | 20 | 21 | 23 | 25 | 27 |
| Other [e] | 14 | 19 | 21 | 21 | 23 | 24 |
| Construction industry | 6 | 10 | 11 | 13 | 15 | 17 |
| Agriculture [d] | 44 | 62 | 66 | 71 | 76 | 81 |
| Transport and communications | 42 | 64 | 70 | 75 | 80 | 85 |
| Housing | 102 | 138 | 144 | 151 | 159 | 168 |
| Services | 50 | 78 | 86 | 94 | 103 | 112 |

[a] Value of stocks is estimated as of 1 July of the respective year.
[b] In 1955 prices.
[c] Preliminary.
[d] Including the value of basic herds and draft animals.
[e] Nonferrous metals; timber, woodworking, and paper; glass and porcelain; and miscellaneous other branches.

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Table 11

Drawings and Scheduled Repayments on Western Credits to the USSR [a]

Million US $

| Year | Estimated Drawings [b] | Scheduled Repayments [c] | Interest [d] | Net Credits | Outstanding at End of Year |
|---|---|---|---|---|---|
| 1959 | 60 | 12 | 0 | 48 | 48 |
| 1960 | 125 | 37 | 2 | 86 | 136 |
| 1961 | 165 | 70 | 6 | 89 | 231 |
| 1962 | 180 | 106 | 10 | 64 | 305 |
| 1963 | 140 | 130 | 14 | −4 | 315 |
| 1964 | 170 | 147 | 15 | 8 | 338 |
| 1965 | 185 | 148 | 17 | 20 | 375 |
| 1966 | 270 | 148 | 20 | 102 | 497 |
| 1967 | 290 | 149 | 28 | 113 | 638 |
| 1968 | 415 | 200 | 37 | 178 | 853 |
| 1969 | 500 | 239 | 51 | 210 | 1,114 |

[a] There is no record that any credits were extended to the USSR by Western countries before 1959.

[b] Range of error of plus or minus 20% for 1959-62 and 10% for 1963-69.

[c] Including downpayments.

[d] Interest computed at 5% on medium-term credits (five years or less) and at 6% on all long-term credits (more than five years) except the FIAT credit, which is computed at its announced rate of 5.75%.



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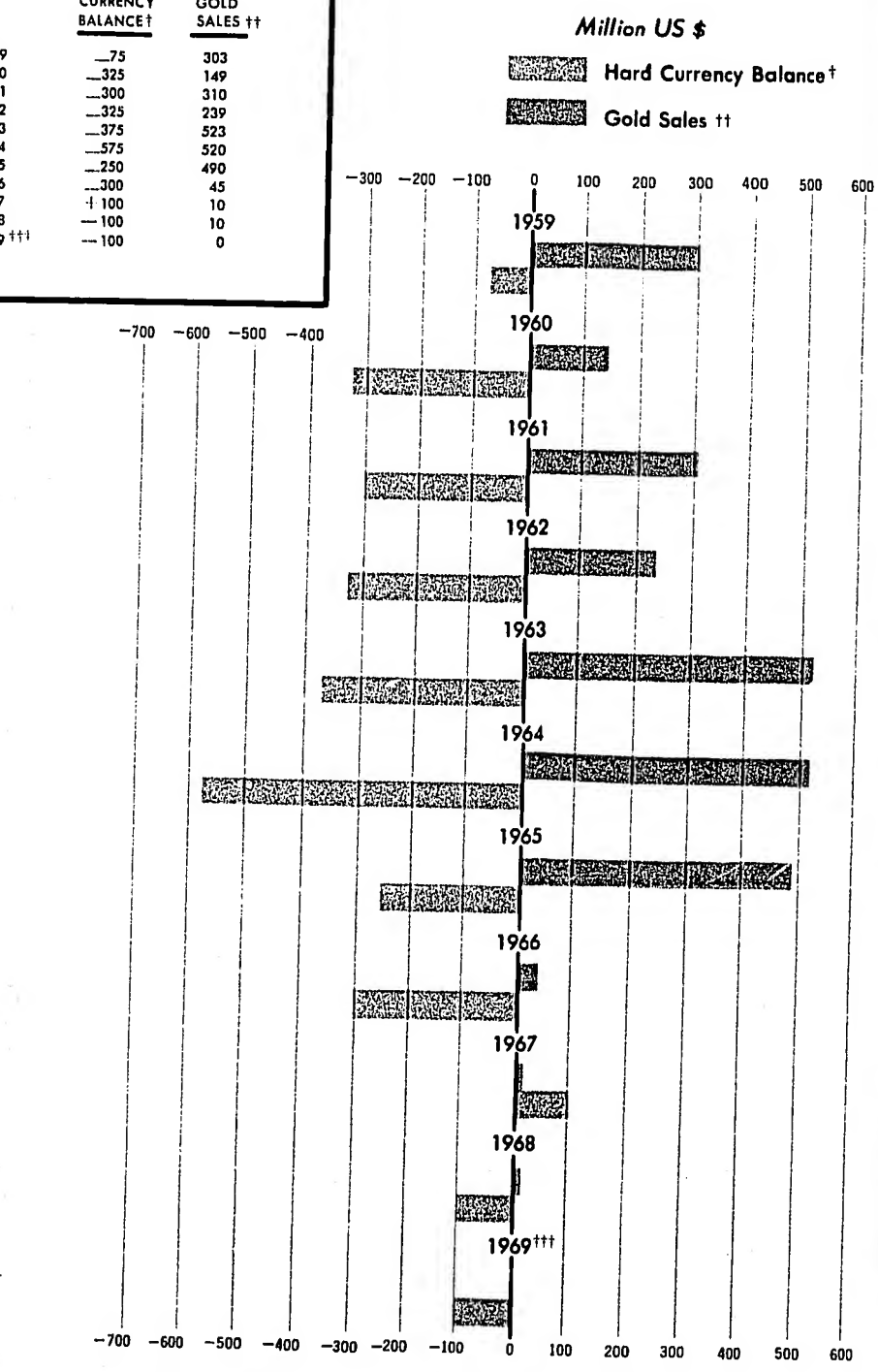
Figure 6

# SOVIET HARD CURRENCY BALANCE OF PAYMENTS

| | MILLION US $ | |
|---|---|---|
| | HARD CURRENCY BALANCE† | GOLD SALES †† |
| 1959 | −75 | 303 |
| 1960 | −325 | 149 |
| 1961 | −300 | 310 |
| 1962 | −325 | 239 |
| 1963 | −375 | 523 |
| 1964 | −575 | 520 |
| 1965 | −250 | 490 |
| 1966 | −300 | 45 |
| 1967 | +100 | 10 |
| 1968 | −100 | 10 |
| 1969 ††† | −100 | 0 |




† Hard currency balance is primarily a trade balance.
†† Based on a value of $35 per troy ounce.
††† Preliminary.

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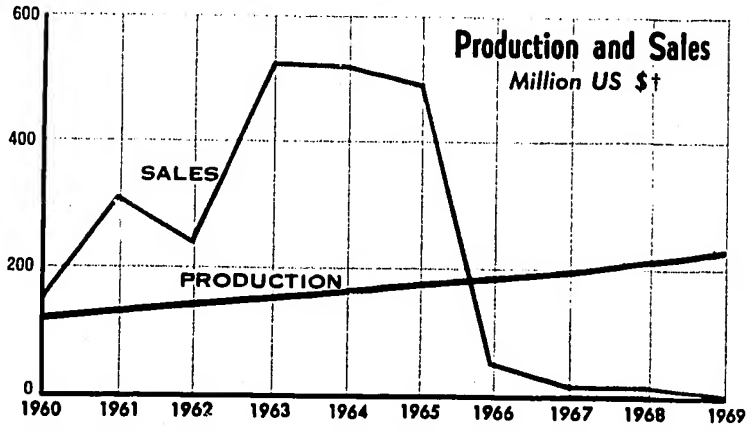
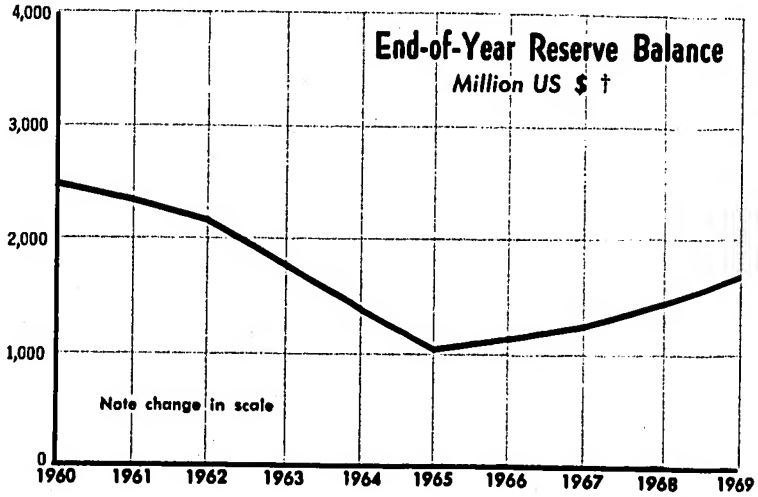
Figure 7

# PRODUCTION, DISPOSITION, AND RESERVES OF GOLD IN THE USSR

MILLION US $ †

| | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|
| PRODUCTION | 124 | 133 | 143 | 153 | 164 | 176 | 188 | 200 | 207 | 219 |
| NET CONSUMPTION | 27 | 28 | 30 | 30 | 32 | 34 | 36 | 38 | 40 | 42 |
| SALES | 149 | 310 | 239 | 523 | 520 | 490 | 45 | 10 | 10 | 0 |
| OTHER ADDITIONS AND WITHDRAWALS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | −10 | 0 | 0 |
| CHANGE IN RESERVES | −52 | −205 | −126 | −400 | −388 | −348 | +107 | +142 | +157 | +177 |
| END-OF-YEAR RESERVE BALANCE | 2,475 | 2,270 | 2,144 | 1,744 | 1,356 | 1,008 | 1,115 | 1,257 | 1,414 | 1,591 |




† Based on a value of $35 per troy ounce.

78270 6-70 CIA

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Table 12

Selected Economic Data for the US and the USSR

| Product, Unit of Measure, and Country | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| Gross national product (billion 1968 US $) | | | | | | |
| United States | 596.1* | 755.1* | 805.4* | 824.9* | 865.7* | 890.3* |
| USSR [a] | 272.0 | 360.2 | 384.6 | 410.2 | 434.1 | 448.0 |
| Index of industrial production (1960=100) | | | | | | |
| United States | 100* | 132* | 144* | 145* | 152* | 159* |
| USSR | 100 | 138 | 148 | 159 | 168 | 177 |
| Total population (midyear population in millions) | | | | | | |
| United States | 180.7* | 194.6* | 196.9* | 199.1* | 201.2* | 203.2* |
| USSR | 214.2* | 230.6* | 233.1* | 235.3* | 237.8* | 240.2* |
| Electric power (gross), (billion kilowatt-hours) | | | | | | |
| United States | 894* | 1,230* | 1,328* | 1,399* | 1,526* | 1,649* |
| USSR | 292* | 507* | 545* | 588* | 639* | 689* |
| Primary energy (million metric tons of coal equivalents [b]) | | | | | | |
| United States | 1,429* | 1,719* | 1,814* | 1,860* | 1,946* | 2,007* |
| USSR | 663* | 942* | 1,006* | 1,063* | 1,112* | 1,168* |
| Passenger automobiles (thousand units) | | | | | | |
| United States [c] | 6,675* | 9,306* | 8,598* | 7,437* | 8,822* | 8,224* |
| USSR | 139* | 201* | 230* | 251* | 280* | 294* |
| Crude steel (million metric tons) | | | | | | |
| United States | 90.1* | 119.3* | 121.7* | 115.4* | 119.3* | 128.0* |
| USSR | 65.3* | 91.0* | 96.9* | 102.2* | 106.5* | 110.0* |
| Grain (million metric tons) | | | | | | |
| United States [d] | 181* | 183* | 183* | 206* | 201* | 196* |
| USSR [e] | 93* | 100* | 140* | 122* | 135* | 128* |
| Meat [f] (million metric tons) | | | | | | |
| United States [g] | 12.8* | 14.3* | 14.8* | 15.5* | 16.0* | 16.0* |
| USSR [h] | 7.4* | 8.8* | 9.4* | 10.1* | 10.2* | 9.8* |
| Synthetic fibers (thousand metric tons) | | | | | | |
| United States | 307* | 806* | 938* | 1,058* | 1,457* | 1,581* |
| USSR | 15.0* | 77.5* | 96.3* | 115.8* | 129.8* | 142.4* |
| Domestic transport performance (billion metric ton-kilometers) | | | | | | |
| United States | 2,370* | 2,810* | 2,970* | 3,000* | 3,110* | 3,260* |
| USSR | 1,790* | 2,420* | 2,520* | 2,710* | 2,890* | 3,020* |

* *An asterisk indicates that the data are unclassified.*

a Converted at US purchasing power equivalents.

b Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

c Data are for factory sales and include complete units exported for assembly.

d Excluding corn silage and forage but including sorghum for grain.

e Including miscellaneous grains and pulses.

f Data are on a carcass weight, bone-in basis.

g Excluding slaughter fats, poultry, rabbit, and variety meats.

h Including slaughter fats, poultry, and edible offal.


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Table 13

Factors of Consumption for the US and the USSR

| | 1960 | 1965 | 1968 | 1969 |
|---|---|---|---|---|
| Food | | | | |
| Grain production [a] (million metric tons) | | | | |
| United States [b] | 181 | 183 | 201 | 196 |
| USSR [c] | 93 | 100 | 135 | 128 |
| Meat production [d] (million metric tons) | | | | |
| United States [e] | 12.8 | 14.3 | 16.0 | 16.0 |
| USSR [f] | 7.4 | 8.8 | 10.2 | 9.8 |
| Persons supplied per farm worker | | | | |
| United States | 25 | 35 | 43 | 44 |
| USSR | 5 | 5 | 6 | 6 |
| Housing | | | | |
| Housing construction (million square meters) | | | | |
| United States | 144 | 158 | 158 | 150 |
| USSR | 110 | 98 | 102 | 102 |
| Per capita housing construction (square meters) | | | | |
| United States | 0.80 | 0.81 | 0.79 | 0.74 |
| USSR | 0.51 | 0.42 | 0.43 | 0.42 |
| Transportation | | | | |
| Automobile production (thousand units) | | | | |
| United States [g] | 6,675 | 9,306 | 8,822 | 8,224 |
| USSR | 139 | 201 | 280 | 294 |
| Automobiles in use (thousand units) | | | | |
| United States [h] | 61,682 | 75,251 | 83,693 | 86,560 |
| USSR [i] [j] | 800 | 1,160 | 1,430 | 1,540 |
| Communications | | | | |
| Television receivers in use [j] (million units) | | | | |
| United States | 56 | 71 | 85 | 88 |
| USSR | 4.8 | 16 | 27 | 31 |
| Radio receivers in use [j] (million units) | | | | |
| United States | 168 | 242 | 301 | 325 |
| USSR | 28 | 38 | 44 | 47 |
| Household equipment | | | | |
| Washing machine production (thousand units) | | | | |
| United States | 3,274 | 4,347 | 4,520 | 4,422 |
| USSR | 895 | 3,430 | 4,700 | 5,200 |
| Washing machines in use [k] (units per thousand persons) | | | | |
| United States [l] | 236 | 255 | 284 | 289 |
| USSR | 10 [j] | 29 [j] | 47 | 58 |
| Refrigerator production (thousand units) | | | | |
| United States | 3,475 | 4,930 | 5,150 | 5,630 |
| USSR | 529 | 1,675 | 3,155 | 3,700 |
| Refrigerators in use [k] (units per thousand persons) | | | | |
| United States [l] | 279 | 292 | 301 | 304 |
| USSR | 13 [j] | 59 [j] | 89 | 106 |

[a] The data do not necessarily represent food available for consumption, because imports of foreign grain and exports of domestically produced grain are not included.
[b] Excluding corn silage and forage but including sorghum for grain.
[c] Including miscellaneous grains and pulses.
[d] Data are on a carcass weight, bone-in basis.
[e] Excluding slaughter fats, poultry, rabbit, and variety meats.
[f] Including slaughter fats, poultry, and edible offal.
[g] Data are for factory sales and include complete units exported for assembly.
[h] As of the end of the registration year.
[i] Based on data for production, imports, exports, and estimated retirements.
[j] As of the end of the year.
[k] Unless otherwise indicated, data are as of the beginning of the year.
[l] Data are understated because they are based on the number of households with one or more units; thus, a household with more than one is counted as having only one.

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Table 14

Soviet Economic Plan for 1970

| Commodity | Unit of Measure | Production: 1969 Actual | Production: 1970 Revised Plan | Average Annual Rate of Growth [a] (Percent): 1966–68 Actual | 1969: Plan | 1969: Actual | 1970 Revised Plan |
|---|---|---|---|---|---|---|---|
| Aggregative data | | | | | | | |
| Index of national income [b] | 1965=100 | 134 | 142 | 8.1 | 6.5 | 6.0 | 6.0 |
| Gross industrial production [c] | 1965=100 | 138 | 147 | 8.9 | 7.3 | 7.0 | 6.3 |
| Group A (producers' goods) | 1965=100 | 139 | 147 | 9.2 | 7.2 | 6.9 | 6.1 |
| Group B (consumer goods) | 1965=100 | 136 | 145 | 8.4 | 7.5 | 7.2 | 6.8 |
| Industrial labor productivity | 1965=100 | 124 | 130 | 5.8 | 5.9 | 4.8 | 5.2 |
| Fuels and power | | | | | | | |
| Electric power | Billion kilowatt-hours | 689 | 740 | 8.0 | 7.6 | 7.9 | 7.4 |
| Total coal | Million metric tons | 608 | 618 | 0.9 | 0.2 | 2.4 | 1.6 |
| Crude oil | Million metric tons | 328 | 350 | 8.4 | 6.1 | 6.1 | 6.7 |
| Natural gas [d] | Billion cubic meters | 183 | 197.5 | 9.7 | 8.8 | 7.1 | 7.9 |
| Metals | | | | | | | |
| Crude steel | Million metric tons | 110 | 115 | 5.4 | 5.7 | 4.0 | 4.5 |
| Rolled steel | Million metric tons | 87.5 | 92.2 | 6.4 | 5.3 | 2.6 | 5.4 |
| Pig iron | Million metric tons | 81.6 | 85 | 6.0 | 5.9 | 3.6 | 4.2 |
| Chemicals | | | | | | | |
| Mineral fertilizer (Soviet statistical reporting units) | Million metric tons | 46.0 | 57.5 | 12 | 8.7 | 5.8 | 25 |
| Plastics and synthetic resins | Thousand metric tons | 1,452 | 1,630 | 17 | 14 | 12 | 12 |
| Manufacturing and construction | | | | | | | |
| Passenger automobiles | Thousand units | 293.6 | 348.0 | 12 | 23 | 4.7 | 19 |
| Trucks and buses | Thousand units | 550.7 | 574.0 | 7.8 | 6.2 | 5.8 | 4.2 |
| Tractors | Thousand units | 441.8 | 456.4 | 6.1 | 6.0 | 4.3 | 3.3 |
| Television receivers | Million units | 6.6 | 7.5 | 16 | 16 | 15 | 13 |
| Rubber tires | Million units | 32.6 | 34.7 | 6.3 | 3.2 | 2.6 | 6.4 |
| Cement | Million metric tons | 89.8 | 94.3 | 6.5 | 5.1 | 2.6 | 5.0 |

[a] The base year is the year prior to the stated period.

[b] The official Soviet measure is based on a Marxist concept of national income and differs significantly from the concept used in Western market economies. For example, the Soviet measure excludes the value of services and overstates the contribution of industry by including all indirect taxes.

[c] Official "gross" value series.

[d] Including production of gas from coal and shale.


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Table 15

Distribution of Defense and Space Expenditures,[a] by Major Mission, in the US and the USSR
1969

| | US [b] (Fiscal Year) | USSR [c] (Calendar Year) | |
|---|---|---|---|
| | Billion Current US $ | Billion 1968 US $ | Billion New Rubles [d] |
| Strategic attack | 5.5 | 7.0 | 2.6 |
| Strategic defense | 2.2 | 5.9 | 2.0 |
| General purpose | 33.4 | 18.9 | 5.6 |
| RDTE&S [e] | 14.0 | 15.1 | 7.0 |
| *Of which:* | | | |
| *Space* | *6.3* | *7.2* | *3.4* |
| Other | 29.4 | 18.1 | 4.3 |
| Total | 84.5 | 65.0 | 21.6 |

[a] To achieve as high a degree of comparability as possible, adjustments have been made to the basic data available for both the United States and the USSR. For example, the ruble data, by mission, shown here differ somewhat from the comparable data shown in the following table. All expenditures for research, development, test, and evaluation (RDT&E) activities associated with military programs as well as expenditures for both civilian and military space programs have been aggregated and are included under RDTE&S (RDTE and space programs). All expenditures for nuclear warheads have been aggregated and are included under "Other." All expenditures for military assistance and civil defense programs have been excluded.

[b] Planned total obligational authority (TOA). It should be noted that the pattern of expenditures shown for the United States is not representative of the pre-Vietnam period.

[c] These data for the USSR are reviewed and updated several times each year. Therefore, if they are to be used for more than general background purposes, the Office of Strategic Research should be consulted to insure that they represent the latest available information. The Soviet expenditures presented in dollars are measures of Soviet programs computed on the basis of US factor costs and do not measure program costs as seen by Soviet planners.

[d] In 1955 prices.

[e] Expenditures for research, development, test, and evaluation for all military programs and nuclear energy programs as well as all expenditures for military and civilian space programs.



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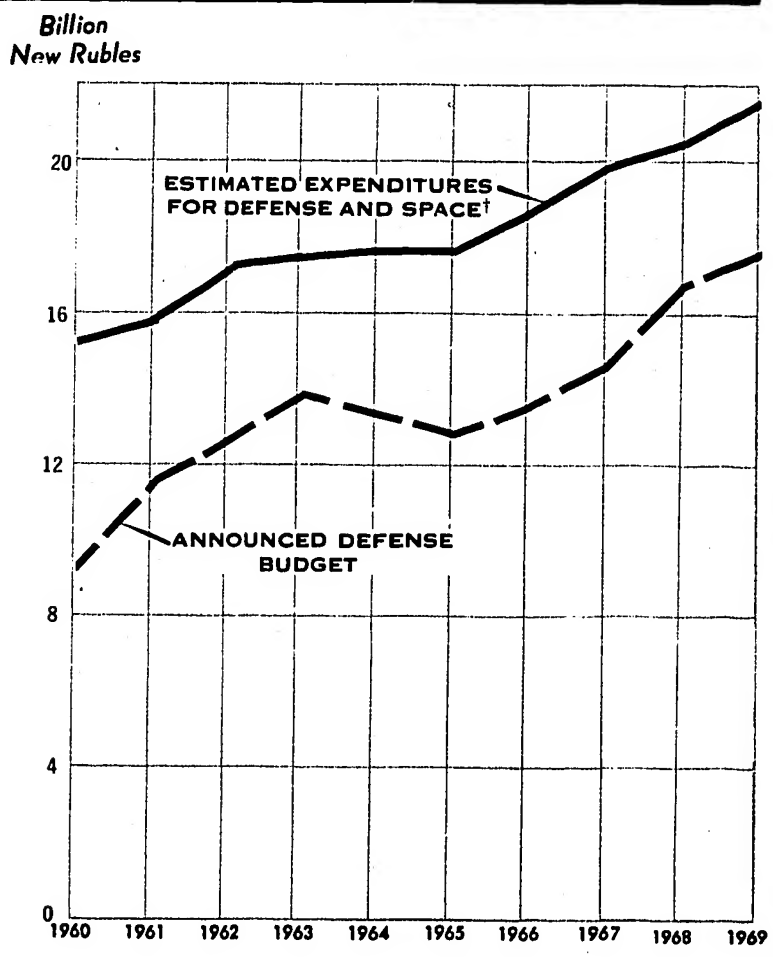
Figure 8

# ESTIMATED SOVIET EXPENDITURES FOR DEFENSE AND SPACE

| | BILLION NEW RUBLES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 |
| ESTIMATED EXPENDITURES FOR DEFENSE AND SPACE† | 14.7 | 15.7 | 17.2 | 17.4 | 17.6 | 17.6 | 18.7 | 19.9 | 20.6 | 21.6 |
| ANNOUNCED DEFENSE BUDGET | 9.3 | 11.6 | 12.6 | 13.9 | 13.3 | 12.8 | 13.4 | 14.5 | 16.7 | 17.7 |




† In 1955 prices.

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Table 16

Estimated Soviet Expenditures for Defense and Space,[a] by Mission

Billion New Rubles[b]

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| Mission | | | | | | |
| Strategic attack | 2.5 | 2.4 | 2.9 | 3.2 | 3.1 | 3.2 |
| Strategic defense | 2.0 | 1.6 | 1.8 | 1.9 | 2.1 | 2.1 |
| Ground[c] | 2.9 | 3.3 | 3.3 | 3.4 | 3.4 | 3.5 |
| Naval[d] | 1.5 | 1.7 | 1.8 | 1.8 | 1.9 | 1.9 |
| Military transport aviation | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| RDTE&S[e] | 2.6 | 5.0 | 5.4 | 5.9 | 6.3 | 7.0 |
| Command and general support[f] | 2.6 | 2.9 | 3.0 | 3.1 | 3.2 | 3.2 |
| Total military expenditures | 14.7 | 17.6 | 18.7 | 19.9 | 20.6 | 21.6 |
| Of which: | | | | | | |
| Military machinery | 8.5 | 10.9 | 11.9 | 12.9 | 13.4 | 14.2 |

[a] These data are reviewed and updated several times each year. Therefore, if they are to be used for more than general background purposes, the Office of Strategic Research should be consulted to insure that they represent the latest available information. The estimates conceptually include all outlays for personnel and other operating costs, procurement of all hardware used by the military establishment (including nuclear warheads), construction of facilities, military and nuclear research and development activities, and all space programs but exclude military assistance programs. Many of the funds required to cover these expenditures come from sources other than the budget category labeled "Defense" by the USSR. Most of the figures in the table are derived from detailed calculations of the estimated size and cost to deploy and operate individual program elements of the Soviet military establishment. These estimates are subject to considerable uncertainty and should not be considered as precise measures. Nevertheless, the estimates are as accurate and as comprehensive as the data available during 1969 permitted.

[b] In 1955 prices.

[c] Including expenditures for tactical aviation.

[d] Including expenditures for naval aviation.

[e] Expenditures for research, development, test, and evaluation for all military and nuclear energy programs as well as all expenditures for military and civilian space programs. These data include personnel costs for military personnel associated with RDTE&S programs. The estimates in this table are derived from analysis of published Soviet financial data and do not represent detailed calculations of the estimated magnitude and cost of individual programs.

[f] Expenditures for reserve training, militarized security forces, retirement pay, and paramilitary training, in addition to command and support for the active military establishment.



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Table 17

Estimated Soviet Expenditures for Defense and Space, by Category of Expenditures [a]

Billion New Rubles [b]

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| Investment | 5.5 | 4.9 | 5.5 | 5.9 | 5.8 | 5.8 |
| Procurement | 5.0 | 4.5 | 5.0 | 5.5 | 5.4 | 5.4 |
| Land armaments and ammunition | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 |
| Naval ships and boats | 0.5 | 0.5 | 0.5 | 0.6 | 0.7 | 0.8 |
| Aircraft | 0.9 | 0.8 | 0.8 | 0.7 | 0.8 | 0.7 |
| Missile systems | 1.4 | 1.1 | 1.7 | 1.9 | 1.7 | 1.7 |
| Electronic equipment | 0.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Nuclear weapons | 0.7 | 1.0 | 0.8 | 0.9 | 0.8 | 0.8 |
| Other | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| Facilities | 0.5 | 0.4 | 0.5 | 0.4 | 0.4 | 0.4 |
| Operating expenditures | 6.8 | 7.9 | 8.0 | 8.3 | 8.7 | 9.0 |
| Personnel | 4.2 | 4.6 | 4.7 | 4.9 | 5.1 | 5.1 |
| Operation and maintenance | 2.6 | 3.3 | 3.3 | 3.5 | 3.7 | 3.8 |
| RDTE&S [c] | 2.4 | 4.8 | 5.2 | 5.7 | 6.1 | 6.8 |
| Total | 14.7 | 17.6 | 18.7 | 19.9 | 20.6 | 21.6 |

[a] These data are reviewed and updated several times each year. Therefore, if they are to be used for more than general background purposes, the Office of Strategic Research should be consulted to insure that they represent the latest available information. The estimates conceptually include all outlays for personnel and other operating costs, procurement of all hardware used by the military establishment (including nuclear warheads), construction of facilities, military and nuclear research and development activities, and all space programs but exclude military assistance programs. Many of the funds required to cover these expenditures come from sources other than the budget category labeled "Defense" by the USSR. Most of the figures in the table are derived from detailed calculations of the estimated size and cost to deploy and operate individual program elements of the Soviet military establishment. These estimates are subject to considerable uncertainty and should not be considered as precise measures. Nevertheless, the estimates are as accurate and as comprehensive as the data available during 1969 permitted.

[b] In 1955 prices.

[c] Excluding military personnel related costs and therefore differing slightly from the RDTE&S data shown in the preceding table.



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Table 18

Construction of Naval Ships, by Type, in the Communist Countries

| | Class | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|
| COMMUNIST COUNTRIES | | | | | | | |
| USSR | | | | | | | |
| Submarines | | | | | | | |
| Attack | | | | | | | |
| Nuclear | N, C, or V | 2 | 1 | 1 | 2 | 4 | 3 |
| Diesel | F, Q, W, Z, or B | 6 | 5 | 6 | 2 | 3 | 1 |
| Ballistic missile | | | | | | | |
| Nuclear | | 3[a] | ..... | ..... | 1[b] | 5[b] | 5[b] |
| Diesel | G | 7 | ..... | ..... | ..... | ..... | ..... |
| Cruise missile | | | | | | | |
| Nuclear | E-I and E-II | 2 | 6 | 4 | 1 | ..... | ..... |
| Diesel | J | ..... | 2 | 2 | 2 | 2 | ..... |
| Helicopter carrier | Moskva | ..... | ..... | ..... | 1 | ..... | 1 |
| Destroyers | | | | | | | |
| Guided missile | Kashin, Kildin, Kotlin, Krupnyy, Kynda, and Kresta | 3 | 4 | 3 | 4 | 5 | 4 |
| Guided missile motorboats | Osa, Komar, and Nanuchka | 40 | 20 | 20 | 18 | 18 | 20 |
| Patrol craft | Mirka, Petya, Poti, SO-1, and Grisha | 26 | 22 | 21 | 24 | 22 | 29 |
| Patrol craft | MO-VI, P-6, P-10, Shershen, Pchela, and Stenka | 35 | 13 | 18 | 18 | 14 | 16 |
| Mine ships | Sasha, T-58, Vanya, Yurka, and Alesha | 11 | 18 | 18 | 18 | 16 | 15 |
| Auxiliaries | Don, Dnepr, EX-T-58, Lama, Prut, Uda, Ugra, and Luza. | 3 | 4 | 3 | 3 | 2 | 3 |
| Amphibious | Alligator, MP-8, MP-10, MP-SMB-1, and Vydra | 33 | 6 | 3 | 14 | 28 | 22 |
| East Germany | | | | | | | |
| Patrol craft | Forelle, Hai I, Hai II, Hai III, and Iltis | ..... | 19 | 18 | ..... | ..... | ..... |
| Mine ships | Kondor | ..... | ..... | ..... | 1 | 1 | 10 |
| Auxiliaries | Syra | ..... | ..... | ..... | ..... | ..... | 2 |
| Poland | | | | | | | |
| Patrol craft | Gdansk, Oksywie, and OP-301 | 5 | 1 | 3[c] | 3[c] | 1[c] | ..... |
| Mine ships | Krogulec, T-43, and TR-40 | 11 | 1 | 2 | 5 | ..... | ..... |
| Auxiliaries | N. Zubov, Oskol, Samara, Moma, and Amur | ..... | 9 | 7 | ..... | 4 | 7 |
| Amphibious | Polnocny and Maribut | ..... | 14 | 16 | 17 | 10 | 11 |
| Communist China | | | | | | | |
| Submarines | R, W, and G | 1 | 2 | 2 | 2 | ..... | 3 |
| Destroyer escort | Kiangnan | ..... | ..... | 2 | 2 | 1 | ..... |
| Guided missile motorboats | Osa and Komar | ..... | 3 | 3 | 1 | 2 | 3 |
| Patrol craft | Hainan | ..... | 1 | ..... | 1 | 1 | 2 |
| Patrol craft | Torpedo boats (PT) and motor gunboats (PGM) | 28 | 42 | 93 | 75 | 50 | 75 |
| Mine ships | T-43 | 2 | 2 | 4 | ..... | 1 | 2 |
| Auxiliaries[d] | | ..... | 9 | 13 | 10 | 8 | 11 |
| Amphibious | LCM and LCT | 30 | 25 | 45 | 30 | 20 | 50 |

[a] H class.
[b] Y class.
[c] Shershen and Obluze classes.
[d] More than 150 feet.

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Table 19

Production of Military Aircraft, by Type, in the United States and the Communist Countries

Units

| | Bombers [a] | | Fighters [a] | | Transports | | Other [b] | |
|---|---|---|---|---|---|---|---|---|
| | 1968 | 1969 | 1968 | 1969 | 1968 | 1969 | 1968 | 1969 |
| United States [c] | 2 | 7 | 1,307 [d] | 1,075 [d] | 49 | 44 | 3,514 | 2,882 |
| Communist Countries [e] | 44 | 31 | 1,300 | 1,200 | 150 | 150 | 950 | 630 |
| USSR and Eastern Europe | 43 | 25 | 1,100 | 860 | 130 | 150 | 730 | 480 |
| USSR | 43 | 25 | 1,100 | 860 | 80 | 110 | 220 | 240 |
| Eastern Europe | 0 | 0 | 0 | 0 | 50 | 40 | 510 | 240 |
| Czechoslovakia | 0 | 0 | 0 | 0 | 0 | 0 | 440 | 150 |
| Poland | 0 | 0 | 0 | 0 | 50 | 40 | 70 | 90 |
| Far East | 1 | 6 | 180 | 360 | 20 | 0 | 220 | 150 |
| Communist China | 1 | 6 | 180 | 360 | 20 | 0 | 220 | 150 |

[a] Including reconnaissance aircraft.
[b] Data are for trainers, helicopters, and antisubmarine warfare, warning, utility, and reconnaissance aircraft.
[c] Data are official military acceptances.
[d] Including attack aircraft.
[e] Data are estimated and rounded to two significant digits.



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SECRET

# MILITARY CAPACITIES OF SELECTED PORTS

*Unloading Capacity in Metric Tons, Based on a 20-Hour Day*

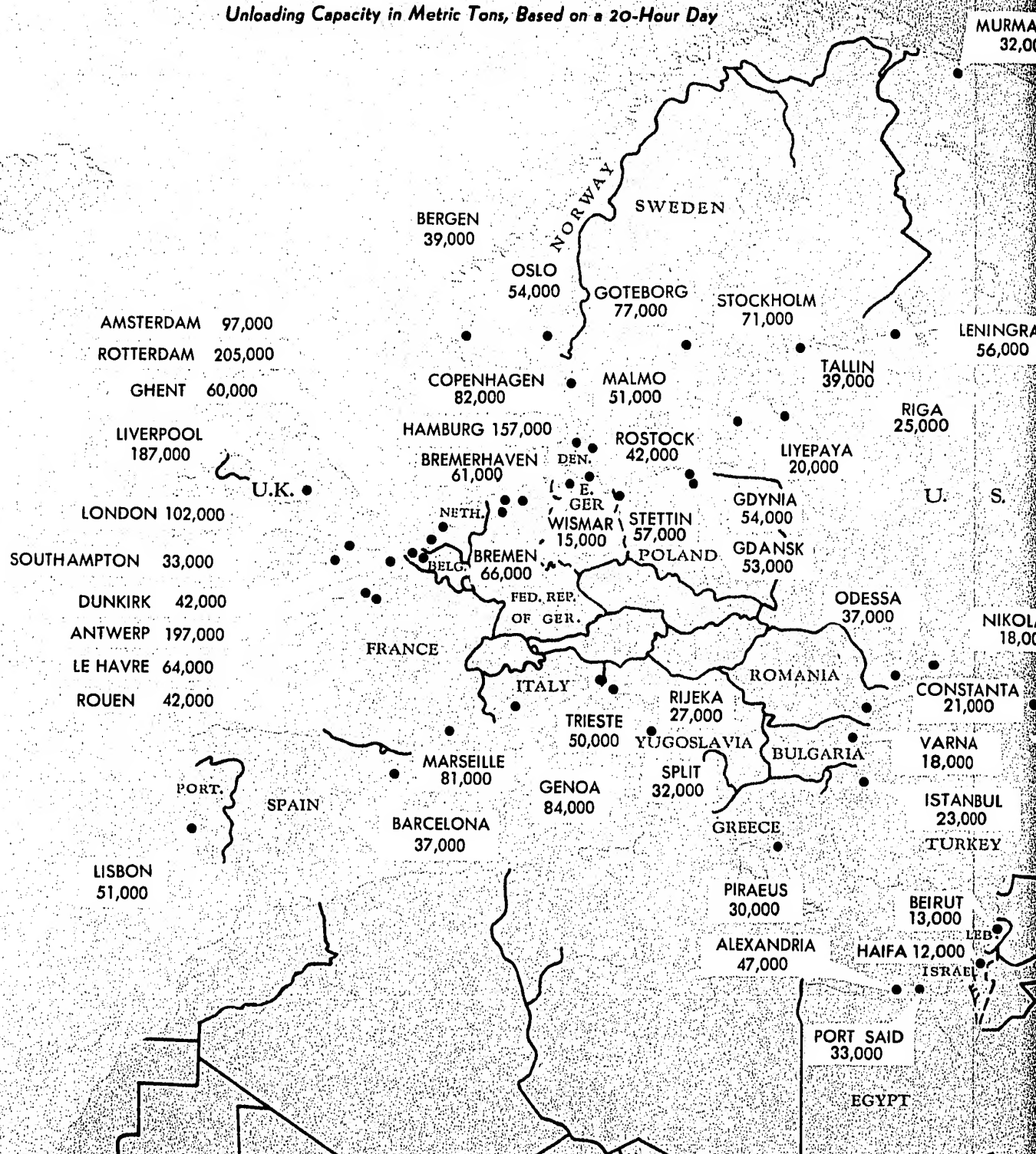


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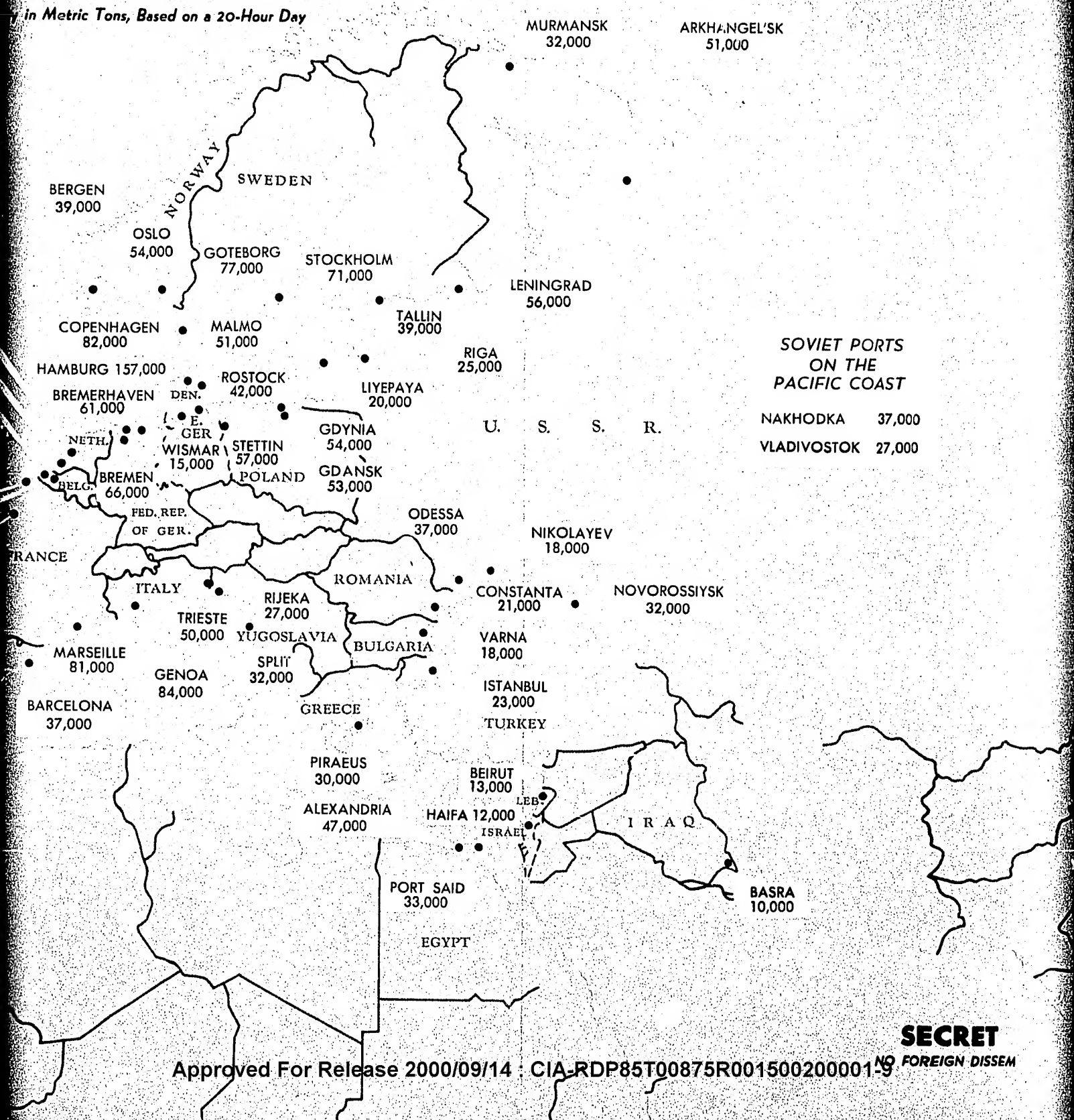
Figure 9

# ACITIES OF SELECTED PORTS

*in Metric Tons, Based on a 20-Hour Day*

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POPULATION AND
COUNTRY TABLES

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Table 20

Estimated and Projected Population

Million Persons at Midyear

| | 1960 | 1965 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1980 | 1985 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NATO Countries | 476 | 508 | 529 | 534 | 540 | 546 | 552 | 558 | 565 | 599 | 636 |
| United States | 180.7 | 194.6 | 203.2 | 205.4 | 207.8 | 210.4 | 213.1 | 215.8 | 218.7 | 234.4 | 252.1 |
| Other NATO | 295.2 | 313.2 | 325.8 | 329.1 | 332.4 | 335.7 | 339.2 | 342.6 | 346.1 | 364.4 | 384.1 |
| Belgium | 9.2 | 9.5 | 9.7 | 9.7 | 9.8 | 9.9 | 9.9 | 10.0 | 10.0 | 10.4 | 10.7 |
| Canada | 17.9 | 19.6 | 21.1 | 21.5 | 21.9 | 22.3 | 22.7 | 23.1 | 23.5 | 25.8 | 28.2 |
| Denmark | 4.6 | 4.8 | 4.9 | 4.9 | 5.0 | 5.0 | 5.1 | 5.1 | 5.1 | 5.3 | 5.6 |
| France | 45.7 | 48.8 | 50.3 | 50.7 | 51.2 | 51.6 | 52.0 | 52.4 | 52.8 | 55.0 | 57.2 |
| West Germany | 53.2 | 56.8 | 58.7 | 59.2 | 59.7 | 60.2 | 60.6 | 61.1 | 61.6 | 64.2 | 66.8 |
| West Berlin | 2.2 | 2.2 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| Greece | 8.3 | 8.6 | 8.9 | 8.9 | 9.0 | 9.1 | 9.1 | 9.2 | 9.3 | 9.6 | 9.9 |
| Iceland | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 |
| Italy | 49.6 | 51.6 | 53.2 | 53.6 | 54.0 | 54.4 | 54.8 | 55.2 | 55.6 | 57.8 | 60.0 |
| Luxembourg | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Netherlands | 11.5 | 12.3 | 12.9 | 13.0 | 13.2 | 13.3 | 13.5 | 13.6 | 13.8 | 14.5 | 15.3 |
| Norway | 3.6 | 3.7 | 3.8 | 3.9 | 3.9 | 3.9 | 4.0 | 4.0 | 4.0 | 4.2 | 4.4 |
| Portugal | 8.9 | 9.2 | 9.6 | 9.7 | 9.8 | 9.8 | 9.9 | 10.0 | 10.1 | 10.6 | 11.1 |
| Turkey | 27.5 | 31.2 | 34.4 | 35.2 | 36.1 | 37.0 | 37.9 | 38.9 | 39.8 | 45.1 | 51.0 |
| United Kingdom | 52.6 | 54.5 | 55.7 | 56.0 | 56.3 | 56.6 | 56.9 | 57.3 | 57.6 | 59.3 | 61.2 |
| Communist Countries | 1,051 | 1,145 | 1,232 | 1,255 | 1,278 | 1,302 | 1,327 | 1,352 | 1,379 | 1,521 | 1,680 |
| USSR and Eastern Europe | 311 | 331 | 343 | 346 | 349 | 352 | 356 | 359 | 362 | 379 | 397 |
| USSR | 214.2 | 230.6 | 240.2 | 242.5 | 244.9 | 247.3 | 249.7 | 252.1 | 254.6 | 267.5 | 281.4 |
| Eastern Europe | 96.5 | 100.1 | 102.8 | 103.6 | 104.3 | 105.1 | 105.9 | 106.7 | 107.5 | 111.6 | 115.5 |
| Bulgaria | 7.9 | 8.2 | 8.4 | 8.5 | 8.6 | 8.6 | 8.7 | 8.8 | 8.8 | 9.1 | 9.3 |
| Czechoslovakia | 13.7 | 14.2 | 14.4 | 14.5 | 14.6 | 14.6 | 14.7 | 14.8 | 14.8 | 15.2 | 15.4 |
| East Germany | 17.1 | 17.0 | 17.1 | 17.1 | 17.1 | 17.2 | 17.2 | 17.2 | 17.2 | 17.4 | 17.6 |
| Hungary | 10.0 | 10.1 | 10.3 | 10.3 | 10.4 | 10.4 | 10.5 | 10.5 | 10.5 | 10.7 | 10.8 |
| Poland | 29.6 | 31.5 | 32.6 | 32.8 | 33.1 | 33.4 | 33.7 | 34.1 | 34.4 | 36.2 | 37.9 |
| Romania | 18.4 | 19.0 | 20.0 | 20.3 | 20.6 | 20.8 | 21.1 | 21.4 | 21.7 | 23.1 | 24.4 |
| Far East | 713 | 785 | 858 | 877 | 897 | 917 | 938 | 960 | 982 | 1,105 | 1,244 |
| Communist China | 686 | 755 | 824 | 843 | 862 | 881 | 902 | 922 | 944 | 1,061 | 1,195 |
| North Korea | 10.6 | 12.2 | 13.8 | 14.2 | 14.6 | 15.0 | 15.4 | 15.8 | 16.3 | 18.8 | 21.8 |
| North Vietnam | 16.0 | 18.1 | 19.7 | 20.1 | 20.5 | 21.0 | 21.4 | 21.8 | 22.2 | 24.5 | 27.2 |
| Other | 27.5 | 29.7 | 31.3 | 31.7 | 32.2 | 32.6 | 33.1 | 33.5 | 34.0 | 36.6 | 39.5 |
| Albania | 1.6 | 1.9 | 2.1 | 2.1 | 2.2 | 2.2 | 2.3 | 2.4 | 2.4 | 2.8 | 3.3 |
| Cuba | 6.5 | 7.2 | 7.7 | 7.8 | 7.9 | 8.0 | 8.1 | 8.3 | 8.4 | 9.2 | 10.3 |
| Mongolia | 1.0 | 1.1 | 1.2 | 1.3 | 1.3 | 1.4 | 1.4 | 1.5 | 1.5 | 1.8 | 2.1 |
| Yugoslavia | 18.4 | 19.5 | 20.4 | 20.6 | 20.8 | 21.0 | 21.2 | 21.5 | 21.7 | 22.8 | 23.9 |

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Table 21

Labor Force [a] in the United States and Selected Communist Countries

Million Persons at Midyear

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| United States [b] | 72.1 | 77.2 | 78.9 | 80.8 | 82.3 | 84.2 |
| COMMUNIST COUNTRIES | | | | | | |
| USSR and Eastern Europe | 157 | 170 | 172 | 176 | 178 | 180 |
| USSR [c] | 108.6 | 119.9 | 121.2 | 124.6 | 125.8 | 127.2 |
| Eastern Europe | 48.1 | 50.1 | 50.7 | 51.3 | 51.9 | 52.4 |
| Bulgaria | 4.20 | 4.26 | 4.28 | 4.32 | 4.35 | 4.38 |
| Czechoslovakia | 6.40 | 6.79 | 6.92 | 6.99 | 7.06 | 7.13 |
| East Germany | 8.53 | 8.37 | 8.38 | 8.41 | 8.40 | 8.41 |
| Hungary | 4.87 | 4.99 | 5.05 | 5.09 | 5.12 | 5.16 |
| Poland | 14.13 | 15.40 | 15.68 | 16.01 | 16.31 | 16.61 |
| Romania | 9.99 | 10.27 | 10.38 | 10.51 | 10.62 | 10.74 |
| Far East | | | | | | |
| Communist China [d] | 307 | 328 | 335 | *N.A.* | *N.A.* | *N.A.* |
| North Korea [d] | 4.6 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 |
| North Vietnam [d] | 8.2 | 9.4 | 9.5 | 9.6 | 9.6 | 9.6 |
| Other | | | | | | |
| Albania | 0.73 | 0.82 | 0.84 | 0.87 | 0.89 | 0.91 |
| Yugoslavia | 8.32 | 8.88 | 8.99 | 9.08 | 9.21 | 9.35 |

[a] Unless otherwise indicated, data include the armed forces and the unemployed.
[b] Annual averages of monthly data.
[c] Excluding militarized security forces.
[d] Excluding the armed forces.

Table 22

Nonagricultural Labor Force [a] in the United States and Selected Communist Countries

Million Persons at Midyear

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| United States [b] | 60.3 | 66.7 | 68.9 | 70.5 | 72.1 | 74.3 |
| COMMUNIST COUNTRIES | | | | | | |
| USSR and Eastern Europe | 91.5 | 108 | 112 | 115 | 119 | 122 |
| USSR [c] | 64.0 | 76.8 | 79.5 | 82.2 | 85.0 | 87.0 |
| Eastern Europe | 27.5 | 31.5 | 32.3 | 33.1 | 33.8 | 34.6 |
| Bulgaria | 1.96 | 2.34 | 2.42 | 2.47 | 2.52 | 2.57 |
| Czechoslovakia | 4.70 | 5.33 | 5.47 | 5.57 | 5.66 | 5.78 |
| East Germany | 6.93 | 7.02 | 7.06 | 7.12 | 7.15 | 7.19 |
| Hungary | 3.04 | 3.47 | 3.53 | 3.57 | 3.62 | 3.68 |
| Poland | 7.47 | 9.04 | 9.37 | 9.74 | 10.08 | 10.43 |
| Romania | 3.43 | 4.31 | 4.49 | 4.65 | 4.80 | 4.95 |
| Far East | | | | | | |
| Communist China [d] | 53 | 47 | 48 | *N.A.* | *N.A.* | *N.A.* |
| North Korea [d] | 2.1 | 2.6 | 2.7 | 2.8 | 2.8 | 2.9 |
| North Vietnam [d] | 1.8 | 2.4 | 2.5 | 2.7 | 2.8 | 2.8 |
| Other | | | | | | |
| Albania | 0.22 | 0.28 | 0.30 | 0.32 | 0.34 | 0.36 |
| Yugoslavia | 3.59 | 4.32 | 4.45 | 4.57 | 4.73 | 4.88 |

[a] Unless otherwise indicated, data include the armed forces.
[b] Civilian employment. The data are annual averages of monthly data that exclude the armed forces.
[c] Excluding militarized security forces.
[d] Excluding the armed forces.


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Table 23

Agricultural Labor Force[a] in the United States and Selected Communist Countries

Million Persons at Midyear

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| United States [b] | 5.46 | 4.36 | 3.98 | 3.84 | 3.82 | 3.61 |
| COMMUNIST COUNTRIES | | | | | | |
| USSR and Eastern Europe | 65.2 | 61.7 | 60.1 | 60.6 | 58.8 | 58.0 |
| USSR [c] | 44.6 | 43.1 | 41.7 | 42.4 | 40.8 | 40.2 |
| Eastern Europe | 20.6 | 18.6 | 18.4 | 18.2 | 18.0 | 17.8 |
| Bulgaria | 2.24 | 1.93 | 1.87 | 1.85 | 1.83 | 1.80 |
| Czechoslovakia | 1.70 | 1.46 | 1.45 | 1.42 | 1.40 | 1.36 |
| East Germany | 1.60 | 1.35 | 1.32 | 1.29 | 1.25 | 1.22 |
| Hungary | 1.83 | 1.52 | 1.52 | 1.51 | 1.50 | 1.48 |
| Poland | 6.66 | 6.36 | 6.32 | 6.27 | 6.22 | 6.18 |
| Romania | 6.57 | 5.96 | 5.90 | 5.85 | 5.82 | 5.79 |
| Far East | | | | | | |
| Communist China | 254 | 281 | 287 | *N.A.* | *N.A.* | *N.A.* |
| North Korea | 2.5 | 2.7 | 2.7 | 2.7 | 2.8 | 2.8 |
| North Vietnam | 6.4 | 7.0 | 7.0 | 6.9 | 6.8 | 6.8 |
| Other | | | | | | |
| Albania | 0.51 | 0.54 | 0.55 | 0.55 | 0.55 | 0.55 |
| Yugoslavia | 4.73 | 4.57 | 4.54 | 4.50 | 4.49 | 4.47 |

[a] Excluding the armed forces.

[b] Annual averages of monthly data. Data are for civilian employment and differ from those presented in Figure 19. Data in Figure 19 are for farm employment and include farm operators doing one or more hours of farm work and members of their families working 15 hours or more during the survey week without cash wages. Data in Figure 19 are based on a survey of farm payrolls conducted by the US Department of Agriculture. Data for the agricultural labor force are based on a household survey of the entire population conducted by the US Bureau of the Census. Data in Figure 19 are a more comprehensive count of agricultural employment and are considered to be more comparable to data presented for the USSR, whereas data in this table are considered to be more comparable to data presented for the Communist countries as a whole.

[c] Excluding militarized security forces.


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Table 24

United States: Selected Economic Data

| | Unit of Measure | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|
| Aggregative data | | | | | | | |
| Gross national product | Billion 1968 US $ | 596 | 755 | 805 | 825 | 866 | 890 |
| Index of industrial production | 1960=100 | 100 | 132 | 144 | 145 | 152 | 159 |
| Total population (midyear) | Million persons | 181 | 195 | 197 | 199 | 201 | 203 |
| Labor force [a] | Million persons | 72.1 | 77.2 | 78.9 | 80.8 | 82.3 | 84.2 |
| Fuels and power | | | | | | | |
| Primary energy (coal equivalents [b]) | Billion metric tons | 1.43 | 1.72 | 1.81 | 1.92 | 1.95 | 2.01 |
| Electric power (gross) | Trillion kilowatt-hours | 0.89 | 1.23 | 1.33 | 1.40 | 1.53 | 1.65 |
| Crude oil | Million metric tons | 348 | 385 | 409 | 435 | 450 | 455 |
| Minerals and metals | | | | | | | |
| Crude steel [c] | Million metric tons | 90.1 | 119 | 122 | 115 | 119 | 128 |
| Rolled steel | Million metric tons | 69.4 | 90.1 | 90.0 | 84.4 | 89.9 | *N.A.* |
| Refined copper [d] | Million metric tons | 1.64 | 1.96 | 2.00 | 1.40 | 1.68 | 2.03 |
| Primary aluminum | Million metric tons | 1.83 | 2.50 | 2.69 | 2.97 | 2.95 | 3.44 |
| Agriculture | | | | | | | |
| Grain [e] | Million metric tons | 181 | 183 | 183 | 206 | 201 | 196 |
| Meat [f] | Million metric tons | 12.8 | 14.3 | 14.8 | 15.5 | 16.0 | 16.0 |
| Manufactured items | | | | | | | |
| Sulfuric acid (100%) | Million metric tons | 16.2 | 22.5 | 25.8 | 26.1 | 25.7 | 26.1 |
| Mineral fertilizer (nutrients) [g] | Million metric tons | 7.41 | 11.9 | 13.1 | 13.9 | 14.2 | 14.1 |
| Cotton fabrics | Billion linear meters | 8.56 | 8.47 | 8.11 | 7.56 | 6.77 | 6.55 |
| Rayon and acetate fabrics | Billion linear meters | 1.31 | 1.62 | 1.50 | 1.48 | 1.60 | 1.55 |
| Metalcutting machine tools | Thousand units | 42.9 | 68.0 | 80.7 | 86.0 | 70.5 | 65.4 |
| Cement | Million metric tons | 56.1 | 65.1 | 67.1 | 64.4 | 68.8 | 67.4 |
| Passenger automobiles [h] | Million units | 6.67 | 9.31 | 8.60 | 7.44 | 8.82 | 8.22 |
| Semiconductors [i] | Billion units | 0.31 | 1.52 | 2.19 | 2.07 | 2.43 | 3.12 |
| Radio receivers | Million units | 18.0 | 25.7 | 25.3 | 23.2 | 24.5 | 22.4 |
| Television receivers | Million units | 5.83 | 11.0 | 12.4 | 10.9 | 11.8 | 11.3 |
| Trade | | | | | | | |
| Imports (f.o.b.) | Billion US $ | 15.1 | 21.4 | 25.6 | 26.9 | 33.2 | 36.1 |
| Exports (f.o.b.) [j] | Billion US $ | 20.6 | 27.5 | 30.4 | 31.6 | 34.6 | 38.0 |

[a] Including the armed forces and the unemployed. Data are annual averages of monthly data.
[b] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.
[c] Excluding steel for castings made in foundries operated by companies not producing ingots.
[d] Including production from secondary plants and copper refined by manufacturers for their own use.
[e] Data are for barley, corn (excluding silage and forage), oats, rice, rye, sorghum for grain, and wheat.
[f] Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, lamb, and goat.
[g] Data are for "fertilizer years" beginning 1 July of the stated year.
[h] Factory sales.
[i] Semiconductor diodes, rectifiers, and transistors.
[j] Including military grant-aid but excluding reexports.

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Table 25

European NATO: Summary of Selected Economic Data

| | Unit of Measure | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|
| Aggregative data | | | | | | | |
| Gross national product [a b] | Billion 1968 US $ | 440 | 560 | 580 | 600 | 630 | 660 |
| Total population (midyear) [b] | Million persons | 277 | 294 | 297 | 299 | 302 | 305 |
| Fuels and power | | | | | | | |
| Primary energy (coal equivalents [c]) | Million metric tons | 578 | 603 | 589 | 576 | 577 | 591 |
| Electric power (gross) | Billion kilowatt-hours | 463 | 674 | 706 | 742 | 805 | 866 |
| Hard coal | Million metric tons | 436 | 414 | 388 | 366 | 348 | 338 |
| Brown coal and lignite | Million metric tons | 106 | 116 | 112 | 112 | 117 | 124 |
| Crude oil | Million metric tons | 12.0 | 17.1 | 17.0 | 17.5 | 17.5 | 17.6 |
| Minerals and metals | | | | | | | |
| Crude steel [d] | Million metric tons | 98.6 | 115 | 112 | 116 | 127 | 137 |
| Pig iron | Million metric tons | 70.9 | 82.2 | 79.1 | 82.8 | 90.5 | 97.7 |
| Iron ore [d] | Million metric tons | 110 | 94.9 | 88.1 | 81.5 | 89.0 | 86.7 |
| Refined copper [d] | Million metric tons | 0.83 | 0.93 | 0.91 | 0.91 | 1.02 | 0.98 |
| Primary aluminum [d] | Million metric tons | 0.69 | 1.01 | 1.10 | 1.14 | 1.27 | 1.31 |
| Agriculture | | | | | | | |
| Grain [e] | Million metric tons | 82.9 | 96.5 | 95.2 | 108 | 107 | 108 |
| Potatoes | Million metric tons | 63.6 | 50.1 | 50.2 | 55.1 | 52.0 | 45.9 |
| Meat [f] | Million metric tons | 10.8 | 12.5 | 12.8 | 12.7 | 13.2 | 12.8 |
| Cattle (beginning of year) [g] | Million head | 78.0 | 81.1 | 83.2 | 84.9 | 85.4 | 86.2 |
| Manufactured items | | | | | | | |
| Sulfuric acid (100%) [d] | Million metric tons | 13.3 | 16.5 | 16.8 | 17.3 [h] | 18.3 [h] | 18.8 [h] |
| Mineral fertilizer (nutrients) [i] | Million metric tons | 10.8 | 14.0 | 14.4 | 15.2 | *N.A.* | *N.A.* |
| Cement [d] | Million metric tons | 82.7 | 115 | 120 | 124 | 131 | 139 |
| Tractors | Thousand units | 403 | 436 | 433 | 408 | 423 | 426 |
| Passenger automobiles [d] | Million units | 4.92 | 7.13 | 7.68 | 7.25 | 8.21 | 8.80 |
| Radio receivers | Million units | 11.4 | 11.0 | 11.6 | 10.8 | 13.4 | *N.A.* |
| Television receivers | Million units | 6.20 | 7.28 | 6.78 | 6.12 | 8.05 | *N.A.* |
| Transportation | | | | | | | |
| Railroad freight traffic | Billion ton-kilometers | 174 | 183 | 181 | 177 | 184 | 196 |

[a] Converted at US purchasing power equivalents.
[b] Including data for West Berlin.
[c] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.
[d] Including data for West Berlin beginning in 1965.
[e] Data are for barley, corn, oats, rice, rye, and wheat where they are produced.
[f] Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, lamb, goat, and horsemeat where they are produced.
[g] Including data for the Faeroe Islands and Greenland.
[h] Excluding data for Greece.
[i] Data are for "fertilizer years"—in general, beginning 1 July of the stated year.

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Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9



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Table 26

France: Selected Economic Data

| | Unit of Measure | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|
| Aggregative data | | | | | | | |
| Gross national product[a] | Billion 1968 US $ | 93.6 | 124 | 131 | 137 | 143 | 155 |
| Index of industrial production | 1960=100 | 100 | 128 | 137 | 141 | 148 | 167 |
| Total population (midyear) | Million persons | 45.7 | 48.8 | 49.2 | 49.6 | 49.9 | 50.3 |
| Fuels and power | | | | | | | |
| Primary energy (coal equivalents[b]) | Million metric tons | 86.2 | 90.0 | 92.1 | 86.7 | 83.3 | 86.1 |
| Electric power (gross) | Billion kilowatt-hours | 75.0 | 106 | 110 | 116 | 123 | 137 |
| Crude oil | Million metric tons | 1.98 | 2.99 | 2.93 | 2.83 | 2.69 | 2.50 |
| Minerals and metals | | | | | | | |
| Crude steel | Million metric tons | 17.3 | 19.6 | 19.6 | 19.7 | 20.4 | 22.5 |
| Rolled steel | Million metric tons | 13.7 | 15.7 | 15.8 | 15.8 | 16.4 | N.A. |
| Refined copper | Thousand metric tons | 40.2 | 41.1 | 42.7 | 37.0 | 36.5 | 37.0 |
| Primary aluminum | Thousand metric tons | 238 | 340 | 364 | 361 | 366 | 371 |
| Agriculture | | | | | | | |
| Grain[c] | Million metric tons | 22.8 | 28.6 | 26.1 | 31.0 | 32.3 | 32.2 |
| Meat[d] | Million metric tons | 2.61 | 3.24 | 3.33 | 2.98 | 3.07 | 2.90 |
| Manufactured items | | | | | | | |
| Sulfuric acid (100%) | Million metric tons | 2.05 | 2.92 | 3.07 | 3.23 | 3.34 | 3.54 |
| Mineral fertilizer (nutrients)[e] | Million metric tons | 3.02 | 4.16 | 4.39 | 4.52 | N.A. | N.A. |
| Synthetic fibers | Thousand metric tons | 45.3 | 87.1 | 109 | 110 | 132 | 156 |
| Cement | Million metric tons | 14.3 | 22.4 | 23.4 | 24.8 | 25.6 | 27.7 |
| Passenger automobiles | Million units | 1.14 | 1.37 | 1.76 | 1.75 | 1.83 | 2.14 |
| Radio receivers | Million units | 2.21 | 2.30 | 2.40 | 2.26 | 2.60 | N.A. |
| Television receivers | Million units | 0.66 | 1.25 | 1.35 | 1.30 | 1.46 | N.A. |
| Trade | | | | | | | |
| Imports (c.i.f.) | Billion US $ | 6.28 | 10.3 | 11.8 | 12.4 | 13.9 | 17.4 |
| Exports (f.o.b.) | Billion US $ | 6.86 | 10.1 | 10.9 | 11.4 | 12.7 | 15.0 |

[a] Converted at US purchasing power equivalents.
[b] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.
[c] Data are for barley, corn, oats, rice, rye, and wheat.
[d] Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, lamb, goat, and horsemeat.
[e] Data are for "fertilizer years" beginning 1 July of the stated year.

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Table 27

Italy: Selected Economic Data

| | Unit of Measure | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|
| Aggregative data | | | | | | | |
| Gross national product [a] | Billion 1968 US $ | 57.3 | 73.7 | 78.1 | 83.1 | 87.9 | 92.3 |
| Index of industrial production | 1960=100 | 100 | 140 | 156 | 169 | 180 | 185 |
| Total population (midyear) | Million persons | 49.6 | 51.6 | 52.0 | 52.4 | 52.8 | 53.2 |
| Fuels and power | | | | | | | |
| Primary energy (coal equivalents [b]) | Million metric tons | 37.7 | 41.2 | 43.1 | 43.0 | 43.5 | 47.0 |
| Electric power (gross) | Billion kilowatt-hours | 56.2 | 83.0 | 90.0 | 96.8 | 104 | 110 |
| Crude oil | Million metric tons | 2.00 | 2.21 | 1.76 | 1.61 | 1.51 | 1.54 |
| Minerals and metals | | | | | | | |
| Crude steel | Million metric tons | 8.23 | 12.7 | 13.6 | 15.9 | 17.0 | 16.5 |
| Rolled steel | Million metric tons | 7.78 | 10.6 | 11.3 | 12.8 | 14.1 | N.A. |
| Refined copper | Thousand metric tons | 15.6 | 12.7 | 16.9 | 17.5 | 18.0 | 16.5 |
| Primary aluminum | Thousand metric tons | 83.6 | 124 | 128 | 128 | 142 | 146 |
| Agriculture | | | | | | | |
| Grain [c] | Million metric tons | 12.0 | 14.5 | 14.4 | 15.1 | 15.0 | 15.7 |
| Meat [d] | Million metric tons | 1.10 | 1.08 | 1.15 | 1.24 | 1.29 | 1.42 |
| Manufactured items | | | | | | | |
| Sulfuric acid (100%) | Million metric tons | 2.30 | 2.98 | 3.37 | 3.52 | 3.31 | 3.20 |
| Mineral fertilizer (nutrients) [e] | Million metric tons | 1.11 | 1.59 | 1.64 | 1.81 | N.A. | N.A. |
| Synthetic fibers | Thousand metric tons | 33.7 | 111 | 144 | 153 | 195 | 235 |
| Cement | Million metric tons | 16.0 | 20.7 | 22.4 | 26.3 | 29.5 | 31.2 |
| Passenger automobiles [f] | Million units | 0.60 | 1.10 | 1.28 | 1.44 | 1.54 | 1.48 |
| Radio receivers | Million units | 0.94 | 1.20 | 1.58 | 1.58 | 2.75 | N.A. |
| Television receivers | Million units | 0.73 | 1.04 | 1.24 | 1.12 | 1.50 | N.A. |
| Trade | | | | | | | |
| Imports (c.i.f.) | Billion US $ | 4.72 | 7.38 | 8.59 | 9.83 | 10.3 | 12.5 |
| Exports (f.o.b.) | Billion US $ | 3.65 | 7.20 | 8.04 | 8.68 | 10.2 | 11.7 |

[a] Converted at US purchasing power equivalents.
[b] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.
[c] Data are for barley, corn, oats, rice, rye, and wheat.
[d] Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, lamb, goat, and horsemeat.
[e] Data are for "fertilizer years" beginning 1 July of the stated year.
[f] Excluding production for the armed forces.

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Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

25X6

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Next 1 Page(s) In Document Exempt

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9



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Table 30

India: Selected Economic Data

| | Unit of Measure | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|
| Aggregative data | | | | | | | |
| Gross national product [a b] | Billion 1968 US $ | 30.8 | 35.2 | 35.6 | 38.7 | 39.4 | 41.3 |
| Index of industrial production | 1960=100 | 100 | 154 | 152 | 151 | 161 | 172 |
| Total population (midyear) | Million persons | 433 | 487 | 499 | 511 | 524 | 537 |
| Fuels and power | | | | | | | |
| Electric power (gross) [b] | Billion kilowatt-hours | 20.1 | 36.8 | 40.5 | 45.4 | 49.5 | 54.0 |
| Hard coal | Million metric tons | 52.6 | 67.2 | 68.0 | 68.2 | 70.8 | 73.5 |
| Crude oil | Million metric tons | 0.45 | 3.02 | 4.65 | 5.56 | 5.77 | 6.71 |
| Minerals and metals | | | | | | | |
| Crude steel [c] | Million metric tons | 3.29 | 6.41 | 6.60 | 6.38 | 6.44 | 6.49 |
| Pig iron | Million metric tons | 4.28 | 7.12 | 7.20 | 7.03 | 7.25 | *N.A.* |
| Iron ore | Million metric tons | 16.6 | 23.7 | 26.8 | 25.8 | 27.4 | 28.3 |
| Manganese ore | Million metric tons | 1.20 | 1.65 | 1.68 | 1.59 | 1.60 | *N.A.* |
| Refined copper | Thousand metric tons | 8.9 | 9.4 | 9.4 | 8.9 | 9.3 | 9.8 |
| Primary aluminum | Thousand metric tons | 18 | 62 | 65 | 96 | 120 | 130 |
| Agriculture | | | | | | | |
| Wheat | Million metric tons | 10.3 | 12.3 | 10.4 | 11.4 | 16.5 | 18.7 |
| Rice (rough, or paddy) [d] | Million metric tons | 51.3 | 46.0 | 45.7 | 59.3 | 59.7 | 63.0 |
| Sugar (raw value) | Million metric tons | 2.81 | 3.49 | 3.63 | 2.36 | 2.38 | 4.19 |
| Ginned cotton | Million metric tons | 1.01 | 1.00 | 1.00 | 1.15 | 1.07 | 1.11 |
| Manufactured items | | | | | | | |
| Sulfuric acid (100%) | Million metric tons | 0.35 | 0.68 | 0.69 | 0.80 | 0.98 | 1.14 |
| Cotton fabrics [e] | Billion linear meters | 6.63 | 7.64 | 7.34 | 7.28 | 7.90 | 7.59 |
| Woolen fabrics [f] | Million linear meters | 8 | 10 | 9 | 9 | 12 | 13 |
| Cement | Million metric tons | 7.84 | 10.6 | 11.1 | 11.3 | 11.9 | 13.6 |
| Passenger automobiles (civilian) | Thousand units | 24.6 | 35.3 | 37.4 | 38.9 | 44.6 | 38.3 |
| Trade | | | | | | | |
| Imports (c.i.f.) | Billion US $ | 2.33 | 2.92 | 2.83 | 2.81 | 2.51 | 2.04 |
| Exports (f.o.b.) | Billion US $ | 1.33 | 1.69 | 1.60 | 1.61 | 1.75 | 1.83 |

[a] Data are at factor cost and are converted at the par value exchange rate of 7.5 rupees to US $1.
[b] Data are for the year beginning 1 April of the stated year.
[c] Beginning in 1965, ingots only.
[d] Estimated from planted acreage.
[e] Mill and decentralized sector production.
[f] Wearable fabrics produced in the mill sector only.

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Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9



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Table 32

USSR: Selected Economic Data

| | Unit of Measure | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|
| **Aggregative data** | | | | | | | |
| Gross national product [a] | Billion 1968 US $ | 272 | 360 | 385 | 410 | 434 | 448 |
| Index of industrial production | 1960=100 | 100 | 138 | 148 | 159 | 168 | 177 |
| Total population (midyear) | Million persons | 214* | 231* | 233* | 236* | 238* | 240* |
| Labor force (midyear) [b] | Million persons | 109* | 120* | 121* | 125* | 126* | 127* |
| **Fuels and power** | | | | | | | |
| Primary energy (coal equivalents [c]) | Billion metric tons | 0.66* | 0.94* | 1.01* | 1.06* | 1.11* | 1.17* |
| Electric power (gross) | Billion kilowatt-hours | 292* | 507* | 545* | 588* | 639* | 689* |
| Hard coal | Million metric tons | 375* | 428* | 439* | 451* | 456* | 470 |
| Crude oil | Million metric tons | 148* | 243* | 265* | 288* | 309* | 328* |
| Natural gas [d] | Billion cubic meters | 45.3* | 128* | 143* | 157* | 169* | 181* |
| **Minerals and metals** | | | | | | | |
| Crude steel | Million metric tons | 65.3* | 91.0* | 96.9* | 102* | 107* | 110* |
| Rolled steel | Million metric tons | 51.0* | 70.9* | 76.6* | 81.7* | 85.3* | 87.5* |
| Pig iron | Million metric tons | 46.8* | 66.2* | 70.3* | 74.8* | 78.8* | 81.6* |
| Iron ore | Million metric tons | 106* | 153* | 160* | 168* | 177* | 186* |
| Refined copper | Million metric tons | 0.49* | 0.77* | 0.83* | 0.92* | 0.99* | 1.08* |
| Primary aluminum | Million metric tons | 0.63 | 1.00 | 1.16 | 1.30 | 1.44 | 1.50 |
| Lead | Thousand metric tons | 324* | 433* | 463* | 495* | 528* | 563* |
| **Agriculture** | | | | | | | |
| Grain [e] | Million metric tons | 93.0* | 100* | 140* | 122* | 135* | 128* |
| Meat [f] | Million metric tons | 7.38* | 8.80* | 9.40* | 10.1* | 10.2* | 9.80* |
| Milk | Million metric tons | 55.5* | 68.2* | 71.4* | 75.1* | 77.4* | 76.7* |
| Fish catch | Million metric tons | 3.54* | 5.77* | 6.09* | 6.54* | 6.70* | 7.30* |
| Cattle (beginning of year) | Million head | 74.2* | 87.2* | 93.4* | 97.1* | 97.2* | 95.7* |
| **Manufactured items** | | | | | | | |
| Sulfuric acid (100%) | Million metric tons | 5.40* | 8.52* | 9.37* | 9.74* | 10.2* | 10.7* |
| Mineral fertilizer (nutrients) | Million metric tons | 3.28* | 7.39* | 8.44* | 9.41* | 10.2* | 10.8* |
| Metalcutting machine tools | Thousand units | 156* | 186* | 192* | 198* | 201* | 206* |
| Tractors | Thousand units | 238* | 354* | 382* | 405* | 423* | 442* |
| Cement | Million metric tons | 45.5* | 72.4* | 80.0* | 84.8* | 87.5* | 89.8* |
| Passenger automobiles | Thousand units | 139* | 201* | 230* | 251* | 280* | 294* |
| **Transportation and trade** | | | | | | | |
| Railroad freight traffic | Trillion ton-kilometers | 1.50* | 1.95* | 2.02* | 2.16* | 2.27* | 2.36* |
| Motor vehicle freight traffic | Billion ton-kilometers | 98.5* | 143* | 155* | 170* | 187* | 195* |
| Imports (f.o.b.) | Billion US $ | 5.63* | 8.06* | 7.91* | 8.54* | 9.41* | 10.3* |
| Exports (f.o.b.) | Billion US $ | 5.56* | 8.17* | 8.84* | 9.65* | 10.6* | 11.7* |

* *An asterisk indicates that the data are unclassified.*

[a] Converted at US purchasing power equivalents.

[b] Data include the armed forces and the unemployed but exclude militarized security forces.

[c] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

[d] Gross production less losses and waste. Data include only gas from natural gas wells and associated gas from petroleum fields.

[e] Data are for barley, corn, oats, rice, rye, wheat, and miscellaneous grains including pulses.

[f] Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, lamb, goat, poultry, edible offal, and slaughter fats.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Table 33

Eastern Europe: Summary of Selected Economic Data

| | Unit of Measure | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|
| Aggregative data | | | | | | | |
| Gross national product [a] | Billion 1968 US $ | 102* | 123* | 130* | 136* | 142* | 148* |
| Total population (midyear) | Million persons | 96.5* | 100* | 101* | 101* | 102* | 103* |
| Fuels and power | | | | | | | |
| Primary energy (coal equivalents [b]) | Million metric tons | 275 | 329* | 334 | 335 | 348 | 363 |
| Electric power (gross) | Billion kilowatt-hours | 114* | 170* | 185* | 200* | 217* | 230* |
| Hard coal | Million metric tons | 141* | 160* | 162* | 163* | 168 | 174 |
| Brown coal and lignite | Million metric tons | 336* | 403* | 404* | 395* | 410* | 420* |
| Crude oil | Million metric tons | 13.2* | 15.2* | 15.6 | 16.2 | 16.4 | 16.1 |
| Minerals and metals | | | | | | | |
| Crude steel | Million metric tons | 21.2* | 28.7* | 30.5* | 33.2* | 35.4* | 37.0* |
| Pig iron | Million metric tons | 13.4* | 17.9* | 19.1* | 20.8* | 21.6* | 22.6* |
| Iron ore | Million metric tons | 9.34* | 12.1* | 13.0* | 12.7* | 12.1* | 12.1* |
| Refined copper | Thousand metric tons | 101 | 141 | 147 | 158 | 165 | 177 |
| Primary aluminum | Thousand metric tons | 163* | 206 | 267 | 319 | 351 | 374 |
| Agriculture | | | | | | | |
| Grain [c] | Million metric tons | 48.4* | 52.8* | 55.7* | 57.8* | 59.2* | 61.2 |
| Potatoes | Million metric tons | 63.9* | 63.8* | 71.0* | 73.7* | 75.4* | 63.2* |
| Meat [d] | Million metric tons | 3.38 | 4.01 | 4.12 | 4.27 | 4.53 | 4.52 |
| Cattle (beginning of year) | Million head | 25.2* | 26.6* | 26.9* | 27.9* | 28.3* | 28.4* |
| Manufactured items | | | | | | | |
| Sulfuric acid (100%) | Million metric tons | 2.50* | 4.23* | 4.48* | 4.70* | 5.08* | 5.44* |
| Mineral fertilizer (nutrients) | Million metric tons | 3.23* | 4.63* | 5.05* | 5.66* | 6.39* | 6.97* |
| Cement | Million metric tons | 22.9* | 31.8* | 34.0* | 37.1* | 39.0* | *N.A.* |
| Tractors | Thousand units | 69.0* | 87.5* | 90.0* | 94.1* | 102* | 109* |
| Passenger automobiles | Thousand units | 133* | 207* | 228* | 253* | 287* | 319* |
| Radio receivers | Million units | 2.20* | 2.36* | 2.53* | 2.53* | 2.68* | *N.A.* |
| Television receivers | Million units | 0.99* | 1.70* | 1.70* | 1.81* | 1.96 | *N.A.* |
| Transportation | | | | | | | |
| Railroad freight traffic | Billion ton-kilometers | 187* | 236* | 246* | 250* | 259* | 261* |

* *An asterisk indicates that the data are unclassified.*

[a] Converted at US purchasing power equivalents.

[b] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

[c] Data are for barley, corn, oats, rice, rye, and wheat where they are produced.

[d] Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, lamb, goat, and horsemeat where they are produced.

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Table 34

Bulgaria: Selected Economic Data

| | Unit of Measure | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|
| Aggregative data | | | | | | | |
| Gross national product [a] | Billion 1968 US $ | 5.5* | 7.5* | 8.1* | 8.6* | 9.2* | 9.8* |
| Index of industrial production | 1960=100 | 100* | 173* | 194* | 220* | 246* | 271* |
| Total population (midyear) | Million persons | 7.9* | 8.2* | 8.3* | 8.3* | 8.4* | 8.4* |
| Labor force (midyear) [b] | Million persons | 4.20* | 4.26* | 4.28* | 4.32* | 4.35* | 4.38* |
| Fuels and power | | | | | | | |
| Primary energy (coal equivalents [c]) | Million metric tons | 7.7* | 9.4* | 9.6* | 10.2* | 10.5 | 10.3 |
| Electric power (gross) | Billion kilowatt-hours | 4.66* | 10.2* | 11.8* | 13.6* | 15.4* | 17.2* |
| Brown coal and lignite | Million metric tons | 15.4* | 24.5* | 24.7* | 26.7* | 28.3* | 28.7* |
| Minerals and metals | | | | | | | |
| Crude steel [d] | Million metric tons | 0.30* | 0.65* | 0.76* | 1.30* | 1.52* | 1.57* |
| Rolled steel | Million metric tons | 0.19* | 0.43* | 0.48* | 0.61* | 1.03* | 1.22* |
| Refined copper | Thousand metric tons | 14.0* | 23.9* | 25.7* | 33.5* | 36.5* | 36.7* |
| Lead | Thousand metric tons | 40.4* | 93.4* | 92.8* | 96.6* | 92.7* | 95.1* |
| Agriculture | | | | | | | |
| Grain [e] | Million metric tons | 4.83* | 5.22* | 6.75* | 6.48* | 5.26* | 5.98 |
| Potatoes | Million metric tons | 0.48* | 0.28* | 0.42* | 0.38* | 0.37* | 0.33* |
| Meat [f] | Thousand metric tons | 174 | 278 | 293 | 296 | 320 | 291 |
| Cattle (beginning of year) | Million head | 1.28* | 1.47* | 1.45* | 1.38* | 1.36* | 1.30* |
| Hogs (beginning of year) | Million head | 2.27* | 2.61* | 2.41* | 2.28* | 2.31* | 2.14* |
| Ginned cotton | Thousand metric tons | 21.1* | 12.6* | 22.8* | 18.5* | 10.3* | 14.5* |
| Wool (grease basis) | Thousand metric tons | 21.0* | 25.8* | 25.5* | 27.2* | 28.5* | 28.0 |
| Manufactured items | | | | | | | |
| Sulfuric acid (100%) | Thousand metric tons | 123* | 318* | 353* | 360* | 472* | 491* |
| Mineral fertilizer (nutrients) | Thousand metric tons | 126* | 354* | 394* | 443* | 640* | 684* |
| Soda ash (100%) | Thousand metric tons | 128* | 223* | 226* | 218* | 225* | 265* |
| Cement | Million metric tons | 1.59* | 2.68* | 2.85* | 3.36* | 3.51* | 3.55* |
| Transportation and trade | | | | | | | |
| Railroad freight traffic | Billion ton-kilometers | 6.98* | 10.8* | 11.4* | 11.7* | 12.2* | 12.6* |
| Motor vehicle freight traffic | Billion ton-kilometers | 2.04* | 3.82* | 4.30* | 5.11* | 6.02* | 6.65* |
| Imports (f.o.b.) | Billion US $ | 0.63* | 1.18* | 1.48* | 1.57* | 1.78* | 1.75* |
| Exports (f.o.b.) | Billion US $ | 0.57* | 1.18* | 1.30* | 1.46* | 1.62* | 1.80* |

* *An asterisk indicates that the data are unclassified.*

[a] Converted at US purchasing power equivalents.

[b] Including the armed forces and the unemployed.

[c] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

[d] Including an estimate for steel for castings for all years.

[e] Data are for barley, corn, oats, rice, rye, wheat, and miscellaneous grains.

[f] Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, and mutton.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Table 35

Czechoslovakia: Selected Economic Data

| | Unit of Measure | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|
| Aggregative data | | | | | | | |
| Gross national product [a] | Billion 1968 US $ | 22.8* | 24.3* | 25.5* | 26.7* | 27.6* | 28.4* |
| Index of industrial production | 1960=100 | 100* | 120* | 127* | 135* | 141* | 147* |
| Total population (midyear) | Million persons | 13.7* | 14.2* | 14.2* | 14.3* | 14.4* | 14.4* |
| Labor force (midyear) [b] | Million persons | 6.40* | 6.79* | 6.92* | 6.99* | 7.06* | 7.13* |
| Fuels and power | | | | | | | |
| Primary energy (coal equivalents [c]) | Million metric tons | 50.9* | 61.9* | 61.1* | 59.3* | 60.7 | 64.4 |
| Electric power (gross) | Billion kilowatt-hours | 24.4* | 34.2* | 36.5* | 38.6* | 41.4* | 42.0* |
| Brown coal and lignite | Million metric tons | 57.9* | 72.3* | 72.4* | 70.9* | 74.4* | 79.0* |
| Natural gas | Billion cubic meters | 1.29* | 0.75* | 0.81* | 1.02* | 1.06* | 0.95 |
| Minerals and metals | | | | | | | |
| Crude steel | Million metric tons | 6.77* | 8.60* | 9.12* | 10.0* | 10.6* | 10.8* |
| Rolled steel | Million metric tons | 4.48* | 6.09* | 6.52* | 7.12* | 7.51* | 7.50* |
| Pig iron | Million metric tons | 4.70* | 5.87* | 6.27* | 6.82* | 6.92* | 7.01* |
| Iron ore | Million metric tons | 3.12* | 2.57* | 2.24* | 1.91* | 1.57* | 1.60* |
| Manganese ore | Thousand metric tons | 154* | 80* | 90* | 80* | 86* | 88* |
| Primary aluminum | Thousand metric tons | 52* | 56* | 60* | 60* | 60* | 60* |
| Agriculture | | | | | | | |
| Grain [d] | Million metric tons | 5.74* | 5.24* | 5.87* | 6.53* | 7.36* | 7.89 |
| Potatoes | Million metric tons | 5.09* | 3.68* | 5.85* | 6.04* | 6.53* | 5.02* |
| Meat [e] | Thousand metric tons | 483 | 599 | 580 | 605 | 660 | 625 |
| Cattle (beginning of year) | Million head | 4.30* | 4.44* | 4.39* | 4.46* | 4.44* | 4.25* |
| Hogs (beginning of year) | Million head | 5.69* | 6.14* | 5.54* | 5.30* | 5.60* | 5.14* |
| Manufactured items | | | | | | | |
| Metalcutting machine tools | Thousand units | 30.2* | 24.3* | 27.6* | 29.8* | 33.5* | *N.A.* |
| Metallurgical equipment | Thousand metric tons | 105* | 85.5* | 89.6* | 79.2* | 90.3* | *N.A.* |
| Electric motors | Million kilowatts | 2.95* | 4.18* | 3.97* | 4.44* | 4.14* | *N.A.* |
| Electric generators [f] | Million kilowatts | 1.39* | 0.89* | 2.08* | 1.71* | 0.88* | *N.A.* |
| Cement | Million metric tons | 5.05* | 5.71* | 6.13* | 6.46* | 6.49* | 6.73* |
| Tractors | Thousand units | 32.5* | 30.5* | 28.2* | 28.7* | 24.4* | 18.6* |
| Passenger automobiles | Thousand units | 56.2* | 77.7* | 92.7* | 112* | 126* | 132* |
| Television receivers | Thousand units | 263* | 274* | 228* | 256* | 350* | *N.A.* |
| Transportation and trade | | | | | | | |
| Railroad freight traffic | Billion ton-kilometers | 47.4* | 56.9* | 57.6* | 55.8* | 56.7* | 52.7* |
| Motor vehicle freight traffic | Billion ton-kilometers | 5.11* | 6.98* | 7.28* | 7.81* | 8.71* | 9.12* |
| Imports (f.o.b.) | Billion US $ | 1.82* | 2.67* | 2.74* | 2.68* | 3.08* | 3.29* |
| Exports (f.o.b.) | Billion US $ | 1.93* | 2.69* | 2.74* | 2.86* | 3.00* | 3.32* |

* *An asterisk indicates that the data are unclassified.*

[a] Converted at US purchasing power equivalents.

[b] Including the armed forces and the unemployed.

[c] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

[d] Data are for barley, corn, oats, rye, and wheat.

[e] Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, and mutton.

[f] Generators for steam and gas turbines only.

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Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9





Table 36

East Germany: Selected Economic Data

| | Unit of Measure | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|
| Aggregative data | | | | | | | |
| Gross national product [a] | Billion 1968 US $ | 25.0* | 29.2* | 30.4* | 31.7* | 33.0* | 34.5* |
| Index of industrial production | 1960=100 | 100* | 119* | 125* | 131* | 138* | 148* |
| Total population (midyear) | Million persons | 17.1* | 17.0* | 17.1* | 17.1* | 17.1* | 17.1* |
| Labor force (midyear) [b] | Million persons | 8.53* | 8.37* | 8.38* | 8.41* | 8.40* | 8.41* |
| Fuels and power | | | | | | | |
| Primary energy (coal equivalents [c]) | Million metric tons | 73.6 | 81.4* | 80.8 | 78.7 | 80.1 | 79.0 |
| Electric power (gross) | Billion kilowatt-hours | 40.3* | 53.6* | 56.9* | 59.7* | 63.2* | 65.5* |
| Brown coal and lignite | Million metric tons | 226* | 251* | 249* | 242* | 247* | 248* |
| Minerals and metals | | | | | | | |
| Crude steel | Million metric tons | 3.75* | 4.37* | 4.48* | 4.59* | 4.70* | 4.82* |
| Rolled steel | Million metric tons | 2.61* | 2.99* | 3.05* | 3.08* | 3.16* | 3.25* |
| Iron ore | Million metric tons | 1.64* | 1.65* | 1.72* | 1.68* | 1.41* | 1.45* |
| Refined copper | Thousand metric tons | 40.0* | 40.0* | 40.0* | 40.0* | 40.0* | 40.0* |
| Agriculture | | | | | | | |
| Grain [d] | Million metric tons | 6.38* | 6.73* | 5.91* | 7.35* | 7.83* | 6.89 |
| Meat [e] | Thousand metric tons | 730 | 861 | 906 | 946 | 982 | 998 |
| Fish catch | Thousand metric tons | 114* | 229* | 222* | 290* | 303* | 270* |
| Cattle [f] | Million head | 4.46* | 4.68* | 4.76* | 4.92* | 5.02* | 5.11* |
| Hogs [f] | Million head | 8.28* | 8.76* | 8.88* | 9.31* | 9.25* | 9.52* |
| Manufactured items | | | | | | | |
| Sulfuric acid (100%) | Million metric tons | 0.73* | 0.98* | 0.97* | 0.99* | 1.08* | 1.10* |
| Synthetic ammonia (nitrogen content) | Thousand metric tons | 393* | 439* | 449* | 453* | 460* | 460* |
| Mineral fertilizer (nutrients) | Million metric tons | 2.17* | 2.51* | 2.60* | 2.85* | 2.99* | 3.04* |
| Cement | Million metric tons | 5.03* | 6.09* | 6.45* | 7.18* | 7.55* | *N.A.* |
| Passenger automobiles | Thousand units | 64.1* | 103* | 106* | 112* | 115* | 118* |
| Transportation and trade | | | | | | | |
| Railroad freight traffic | Billion ton-kilometers | 32.9* | 38.9* | 39.7* | 38.5* | 38.6* | 38.5* |
| Motor vehicle freight traffic | Billion ton-kilometers | 5.00* | 7.21* | 7.84* | 8.17* | 9.25* | 10.2* |
| Imports (f.o.b.) | Billion US $ | 2.19* | 2.81* | 3.22* | 3.28* | 3.39* | *N.A.* |
| Exports (f.o.b.) | Billion US $ | 2.21* | 3.07* | 3.20* | 3.46* | 3.78* | *N.A.* |

* *An asterisk indicates that the data are unclassified.*

[a] Converted at US purchasing power equivalents.

[b] Including the armed forces and the unemployed.

[c] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

[d] Data are for barley, oats, rye, wheat, and miscellaneous grains.

[e] Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, and mutton.

[f] As of 30 November of the previous year.

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Table 37

Hungary: Selected Economic Data

| | Unit of Measure | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|
| Aggregative data | | | | | | | |
| Gross national product [a] | Billion 1968 US $ | 9.9* | 12.1* | 12.7* | 13.2* | 13.5* | 13.9* |
| Index of industrial production | 1960=100 | 100* | 139* | 149* | 158* | 164* | 168* |
| Total population (midyear) | Million persons | 10.0* | 10.1* | 10.2* | 10.2* | 10.3* | 10.3* |
| Labor force (midyear) [b] | Million persons | 4.87* | 4.99* | 5.05* | 5.09* | 5.12* | 5.16* |
| Fuels and power | | | | | | | |
| Primary energy (coal equivalents [c]) | Million metric tons | 14.8* | 18.3* | 18.3* | 17.9* | 19.1* | 19.5* |
| Electric power (gross) | Billion kilowatt-hours | 7.62* | 11.2* | 11.9* | 12.5* | 13.2* | 14.1* |
| Brown coal and lignite | Million metric tons | 23.7* | 27.1* | 26.0* | 23.0* | 23.0* | 22.4* |
| Crude oil | Million metric tons | 1.22* | 1.80* | 1.71* | 1.69* | 1.81* | 1.75* |
| Natural gas | Billion cubic meters | 0.34* | 1.11* | 1.55* | 2.04* | 2.69* | 3.24* |
| Minerals and metals | | | | | | | |
| Crude steel | Million metric tons | 1.89* | 2.52* | 2.65* | 2.74* | 2.90* | 3.03* |
| Rolled steel | Million metric tons | 1.19* | 1.70* | 1.73* | 1.76* | 1.98* | 2.02* |
| Manganese ore | Thousand metric tons | 123* | 213* | 210* | 209* | 156* | 145* |
| Primary aluminum | Thousand metric tons | 50* | 58* | 60* | 62* | 63* | 64* |
| Bauxite | Million metric tons | 1.19* | 1.48* | 1.43* | 1.65* | 1.96* | 1.94* |
| Agriculture | | | | | | | |
| Grain [d] | Million metric tons | 6.86* | 7.29* | 7.36* | 7.52* | 7.84* | 9.05 |
| Potatoes | Million metric tons | 2.66* | 1.48* | 2.43* | 1.51* | 1.34* | 1.58* |
| Meat [e] | Thousand metric tons | 430* | 476* | 469 | 472 | 532 | 523 |
| Cattle (beginning of year) | Million head | 1.97* [f] | 1.94* | 1.92* | 1.97* | 2.05* | 2.02* |
| Hogs (beginning of year) | Million head | 5.36* [f] | 7.04* | 6.59* | 6.12* | 6.65* | 5.81* |
| Manufactured items | | | | | | | |
| Sulfuric acid (100%) [g] | Thousand metric tons | 178* | 394* | 418* | 450* | 468* | 454* |
| Mineral fertilizer (nutrients) | Thousand metric tons | 102* | 265* | 298* | 340* | 402* | 469* |
| Cotton fabrics | Million square meters | 225* | 305* | 317* | 304* | 292* | 269* |
| Cement | Million metric tons | 1.57* | 2.38* | 2.60* | 2.66* | 2.80* | 2.56* |
| Tractors | Thousand units | 2.6* | 3.0* | 3.3* | 3.6* | 2.8* | 1.7* |
| Transportation and trade | | | | | | | |
| Railroad freight traffic | Billion ton-kilometers | 13.3* | 17.3* | 17.9* | 18.5* | 18.3* | 18.0* |
| Motor vehicle freight traffic | Billion ton-kilometers | 1.58* | 2.63* | 2.98* | 3.22* | 3.61* | 3.72* |
| Imports (c.i.f.) | Billion US $ | 0.98* | 1.52* | 1.57* | 1.78* | 1.80* | 1.93* |
| Exports (f.o.b.) | Billion US $ | 0.87* | 1.51* | 1.59* | 1.70* | 1.79* | 2.08* |

* *An asterisk indicates that the data are unclassified.*

[a] Converted at US purchasing power equivalents.

[b] Including the armed forces and the unemployed.

[c] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

[d] Data are for barley, corn, oats, rice, rye, and wheat.

[e] Data are on a carcass weight, bone-in basis; are for beef, veal, pork, mutton, lamb, goat, and horsemeat; and include live exports.

[f] As of March of the stated year.

[g] Including oleum for all years except the terminal year.

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Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9





Table 38

Poland: Selected Economic Data

| | Unit of Measure | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|
| Aggregative data | | | | | | | |
| Gross national product [a] | Billion 1968 US $ | 26.3* | 33.9* | 35.9* | 37.2* | 38.8* | 40.0* |
| Index of industrial production | 1960=100 | 100* | 139* | 147* | 157* | 169* | 182* |
| Total population (midyear) | Million persons | 29.6* | 31.5* | 31.7* | 31.9* | 32.3* | 32.6* |
| Labor force (midyear) [b] | Million persons | 14.1* | 15.4* | 15.7* | 16.0* | 16.3* | 16.6* |
| Fuels and power | | | | | | | |
| Primary energy (coal equivalents [c]) | Million metric tons | 93.5* | 111* | 114* | 116* | 122* | 131* |
| Electric power (gross) | Billion kilowatt-hours | 29.3* | 43.8* | 47.4* | 51.2* | 55.5* | 60.0* |
| Hard coal | Million metric tons | 104* | 119* | 122* | 124* | 129* | 135* |
| Metallurgical coke | Million metric tons | 7.68* | 7.99* | 7.89* | 8.19* | 8.60* | 8.90* |
| Natural gas | Billion cubic meters | 0.54* | 1.31* | 1.29* | 1.46* | 2.40* | 3.76* |
| Minerals and metals | | | | | | | |
| Crude steel | Million metric tons | 6.68* | 9.09* | 9.85* | 10.4* | 11.0* | 11.3* |
| Rolled steel | Million metric tons | 4.42* | 6.13* | 6.58* | 6.95* | 7.33* | 7.66* |
| Pig iron | Million metric tons | 4.25* | 5.38* | 5.61* | 6.33* | 6.64* | 6.82* |
| Iron ore | Million metric tons | 2.18* | 2.86* | 3.05* | 3.08* | 3.05* | 2.82* |
| Primary aluminum | Thousand metric tons | 26* | 47* | 55* | 92* | 94* | 97* |
| Lead | Thousand metric tons | 39.7* | 41.4* | 43.5* | 44.8* | 48.7* | 50.7* |
| Refined zinc | Thousand metric tons | 176* | 190* | 193* | 196* | 202* | 208* |
| Agriculture | | | | | | | |
| Grain [d] | Million metric tons | 14.8* | 16.3* | 15.9* | 16.4* | 18.2* | 18.6 |
| Potatoes | Million metric tons | 37.9* | 43.3* | 46.1* | 48.6* | 50.3* | 44.8* |
| Meat [e] | Million metric tons | 1.15 | 1.33 | 1.37 | 1.41 | 1.44 | 1.50 |
| Fish catch [f] | Thousand metric tons | 168* | 280* | 316* | 321* | 386* | 397* |
| Cattle (beginning of year) | Million head | 8.70* [g] | 9.35* | 9.48* | 10.0* | 10.1* | 10.5* |
| Hogs (beginning of year) | Million head | 12.6* [g] | 14.2* | 14.4* | 14.7* | 14.4* | 14.7* |
| Manufactured items | | | | | | | |
| Sulfuric acid (100%) | Million metric tons | 0.68* | 1.06* | 1.14* | 1.21* | 1.31* | 1.52* |
| Mineral fertilizer (nutrients) | Million metric tons | 0.48* | 0.74* | 0.83* | 0.97* | 1.23* | 1.47* |
| Woolen fabrics | Million linear meters | 79* | 91* | 91* | 90* | 94* | 99* |
| Cement | Million metric tons | 6.60* | 9.57* | 10.0* | 11.1* | 11.6* | 11.8* |
| Tractors | Thousand units | 7.7* | 21.5* | 24.6* | 29.8* | 35.0* | 44.2* |
| Trucks and buses | Thousand units | 24.0* | 34.2* | 37.8* | 40.6* | 44.5* | 46.2* |
| Transportation and trade | | | | | | | |
| Railroad freight traffic | Billion ton-kilometers | 66.6* | 81.0* | 85.0* | 88.5* | 92.6* | 95.0* |
| Motor vehicle freight traffic [h] | Billion ton-kilometers | 5.69* | 8.38* | 9.26* | 10.4* | 12.0* | 13.7* |
| Imports (f.o.b.) | Billion US $ | 1.50* | 2.34* | 2.49* | 2.64* | 2.85* | 3.21* |
| Exports (f.o.b.) | Billion US $ | 1.32* | 2.23* | 2.27* | 2.53* | 2.86* | 3.14* |

* *An asterisk indicates that the data are unclassified.*

[a] Converted at US purchasing power equivalents.

[b] Including the armed forces and the unemployed.

[c] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

[d] Data are for barley, oats, rye, wheat, and miscellaneous grains.

[e] Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutto horsemeat, and edible offal.

[f] Salt water catch only.

[g] As of 30 June of the stated year.

[h] Including traffic by vehicles owned and operated by various industries for th exclusive use.

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Table 39

Romania: Selected Economic Data

| | Unit of Measure | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|
| Aggregative data | | | | | | | |
| Gross national product [a] | Billion 1968 US $ | 12.4* | 16.4* | 17.9* | 18.9* | 20.0* | 21.1* |
| Index of industrial production | 1960=100 | 100* | 167* | 187* | 208* | 229* | 249* |
| Total population (midyear) | Million persons | 18.4* | 19.0* | 19.1* | 19.3* | 19.7* | 20.0* |
| Labor force (midyear) [b] | Million persons | 9.99* | 10.3* | 10.4* | 10.5* | 10.6* | 10.7* |
| Fuels and power | | | | | | | |
| Primary energy (coal equivalents [c]) | Million metric tons | 34.2* | 46.8* | 49.4* | 52.9* | 55.8* | 59.4* |
| Electric power (gross) | Billion kilowatt-hours | 7.65* | 17.2* | 20.8* | 24.8* | 27.8* | 31.5* |
| Brown coal and lignite | Million metric tons | 3.7* | 6.1* | 7.1* | 8.3* | 9.8* | 11.5* |
| Crude oil | Million metric tons | 11.5* | 12.6* | 12.8* | 13.2* | 13.3* | 13.2* |
| Petroleum products | Million metric tons | 11.0 | 11.8 | 11.9 | 12.2 | 12.7 | 13.7 |
| Natural gas | Billion cubic meters | 10.3* | 17.5* | 18.8* | 20.7* | 21.9* | 23.9 |
| Minerals and metals | | | | | | | |
| Crude steel | Million metric tons | 1.81* | 3.43* | 3.67* | 4.09* | 4.75* | 5.54* |
| Rolled steel | Million metric tons | 1.25* | 2.35* | 2.59* | 2.91* | 3.39* | 3.82* |
| Iron ore | Million metric tons | 1.46* | 2.48* | 2.68* | 2.80* | 2.75* | 2.90* |
| Agriculture | | | | | | | |
| Grain [d] | Million metric tons | 9.82* | 12.0* | 13.9* | 13.5* | 12.8* | 12.8 |
| Potatoes | Million metric tons | 3.01* | 2.20* | 3.35* | 3.10* | 3.71* | 2.23* |
| Meat [e] | Thousand metric tons | 414 | 462 | 500 | 542 | 592 | 587 |
| Cattle (beginning of year) | Million head | 4.45* | 4.76* | 4.94* | 5.20* | 5.33* | 5.14* |
| Hogs (beginning of year) | Million head | 4.30* | 6.03* | 5.36* | 5.40* | 5.75* | 5.85* |
| Wool (grease basis) | Thousand metric tons | 21.8* | 25.4* | 26.1* | 29.2* | 31.0* | 29.0 |
| Manufactured items | | | | | | | |
| Cement | Million metric tons | 3.05* | 5.41* | 5.89* | 6.34* | 7.03* | 7.52* |
| Grain combines | Thousand units | 5.50* | 2.01* | 4.05* | 4.95* | 7.52* | 7.00* |
| Tractors | Thousand units | 17.1* | 15.8* | 18.5* | 17.6* | 21.2* | 24.9* |
| Transportation and trade | | | | | | | |
| Railroad freight traffic | Billion ton-kilometers | 19.8* | 31.0* | 34.5* | 37.3* | 40.7* | 44.0* |
| Motor vehicle freight traffic | Billion ton-kilometers | 1.60* | 3.27* | 3.95* | 4.68* | 5.38* | 6.19* |
| Imports (f.o.b.) | Billion US $ | 0.65* | 1.08* | 1.21* | 1.55* | 1.61* | *N.A.* |
| Exports (f.o.b.) | Billion US $ | 0.72* | 1.10* | 1.19* | 1.40* | 1.47* | *N.A.* |

* *An asterisk indicates that the data are unclassified.*

[a] Converted at US purchasing power equivalents.

[b] Including the armed forces and the unemployed.

[c] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

[d] Data are for barley, corn, oats, rice, rye, and wheat.

[e] Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, and goat.

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Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9





Table 40

Communist China: Selected Economic Data

| | Unit of Measure | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|
| Aggregative data | | | | | | | |
| Index of industrial production [a] | 1960=100 | 100 | 93–98 | 104–111 | 89–96 | 93–102 | *N.A.* |
| Total population (midyear) | Million persons | 686* | 755* | 772* | 789* | 806* | 824* |
| Labor force (midyear) [b] | Million persons | 307* | 328* | 335* | *N.A.* | *N.A.* | *N.A.* |
| Agricultural labor force (midyear) | Million persons | 254* | 281* | 287* | *N.A.* | *N.A.* | *N.A.* |
| Fuels and power | | | | | | | |
| Primary energy (coal equivalents [c]) | Million metric tons | 208 | 205 | 226 | 183 | 194 | 242 |
| Electric power (gross) | Billion kilowatt-hours | 47* | 42* | 47* | 41* | 44* | 50* |
| Hard coal [d] | Million metric tons | 280* | 220* | 240* | 190* | 200* | 250* |
| Crude oil | Million metric tons | 4.6 | 8.0 | 10 | 10 | 11 | 14 |
| Petroleum products | Million metric tons | 4.7 | 7.2 | 9.0 | 8.9 | 9.8 | 12.5 |
| Minerals and metals | | | | | | | |
| Crude steel | Million metric tons | 18.4* | 11 | 12 | 10 | 12 | 13 |
| Pig iron | Million metric tons | 27.5* [e] | 12.0 | 15.4 | 14.0 | 15.5 | 16.0 |
| Iron ore | Million metric tons | 56.4 | 24.8 | 31.1 | 28.0 | 31.1 | 32.0 |
| Manganese ore | Thousand metric tons | 708 | 312 | 375 | 340 | 375 | 400 |
| Tungsten ore (60% $WO^3$) | Thousand metric tons | 29 | 15 | 14 | 12 | 12 | 12 |
| Primary aluminum | Thousand metric tons | 80 | 115 | 125 | 145 | 179 | 195 |
| Agriculture | | | | | | | |
| Grain [f] | Million metric tons | 160–165 | 190–195 | 190–195 | 205–210 | 190–195 | 195–200 |
| Ginned cotton | Million metric tons | 1.20 | 1.00 | 1.20 | 1.30 | 1.30 | 1.40 |
| Manufactured items | | | | | | | |
| Sulfuric acid (100%) | Million metric tons | 1.35* | 2.2 | 2.3 | *N.A.* | *N.A.* | *N.A.* |
| Chemical fertilizer [g] | Million metric tons | 2.5 | 4.5 | 5.5 | 4.0 | 4.8 | 5.9 |
| Nutrients | Million metric tons | 0.49 | 0.88 | 1.08 | 0.78 | 0.94 | 1.15 |
| Cement | Million metric tons | 9.0 | 10.9 | 12.0 | 10.2 | 10.5 | 11.3 |
| Tractors | Thousand units | 10.8 | 13.7 | 17.6 | 15.3 | 16.4 | 18–20 |
| Trucks | Thousand units | 15 | 34 | 47 | 34 | 31 | 65 |
| Trade | | | | | | | |
| Imports (f.o.b.) | Billion US $ | 2.03* | 1.86* | 2.04* | 1.94* | 1.82* | 1.82* |
| Exports (f.o.b.) | Billion US $ | 1.94* | 2.00* | 2.17* | 1.92* | 1.89* | 2.06* |

* *An asterisk indicates that the data are unclassified.*

[a] Estimates of this Office computed by applying value-added weights to data for commodity production. The data are fragmentary and uncertain; therefore, the index should be regarded as providing only a tentative indication of the general level and trend in production.

[b] Data exclude the armed forces but include the unemployed.

[c] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

[d] Including a negligible amount of brown coal.

[e] Including 13.4 million metric tons of pig iron made in "small blast fur of which 6.5 million metric tons were usable for steelmaking.

[f] Data are for barley, corn, oats, rice, rye, and wheat, and also include ka broad beans, and field peas. Tubers are included on a grain equivalent bas metric tons of tubers to 1 metric ton of grain.

[g] Data are in terms of product weight containing 20% nitrogen (N), phosphoric acid ($P_2O_5$), and 40% potassium oxide ($K_2O$).

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Table 41

North Korea: Selected Economic Data

| | Unit of Measure | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|
| Aggregative data | | | | | | | |
| Gross industrial production | 1960=100 | 100* | 198* | 192* | 224* | 258* | *N.A.* |
| Total population (midyear) | Million persons | 10.6* | 12.2* | 12.6* | 13.0* | 13.4* | 13.8* |
| Labor force (midyear) [a] | Million persons | 4.6* | 5.3* | 5.4* | 5.5* | 5.6* | 5.7* |
| Fuels and power | | | | | | | |
| Primary energy (coal equivalents [b]) | Million metric tons | 14.1* | 21.3 | 21.4 | 23.5 | 25.9 | 26.9 |
| Electric power (gross) | Billion kilowatt-hours | 9.14* | 13.4* | 12.5* | 14.0* | 14.0* | 15.5* |
| Hard coal | Million metric tons | 6.8* | 12.4* | 14.0* | 15.4* | 18.6* | 18.6 |
| Minerals and metals | | | | | | | |
| Crude steel | Million metric tons | 0.64* | 1.23 | 1.30 | 1.50 | 1.60 | 1.80 |
| Iron ore | Million metric tons | 3.11* | 4.96* [c] | 5.00* | 5.46 | 5.50 | 6.20 |
| Tungsten ore [d] | Thousand metric tons | 3.00 | 4.00 | 4.00 | *N.A.* | *N.A.* | *N.A.* |
| Lead | Thousand metric tons | 34.0 | 54.0* | 57.0* | 61.0* | 61.0* | 61.0* |
| Refined zinc | Thousand metric tons | 55* | 80* | 84* | 88* | 88* | 88* |
| Agriculture | | | | | | | |
| Grain [e] | Million metric tons | 3.8 | 4.5 | 4.0 | 4.7 | 5.2 | *N.A.* |
| Rice (rough, or paddy) | Million metric tons | 1.51 | *N.A.* | *N.A.* | *N.A.* | 2.00 | *N.A.* |
| Fish catch | Thousand metric tons | 465* | 785* | 700 | *N.A.* | *N.A.* | *N.A.* |
| Cattle (beginning of year) | Million head | 0.67* | 0.69 | *N.A.* | *N.A.* | *N.A.* | 0.80 |
| Hogs (beginning of year) | Million head | 1.12* | 1.21 | *N.A.* | *N.A.* | *N.A.* | 2.20 |
| Manufactured items | | | | | | | |
| Synthetic ammonia (nitrogen content) | Thousand metric tons | 111 | 120 | 120 | 140 | 195 | 240 |
| Mineral fertilizer (nutrients) | Thousand metric tons | 127 | 158 | 158 | 176 | 239 | 278 |
| Metalcutting machine tools | Thousand units | 2.90* | 3.95 | *N.A.* | *N.A.* | *N.A.* | *N.A.* |
| Cement | Million metric tons | 2.28* | 2.40* | 2.50* | 2.50 | 2.50 | 2.50 |
| Trucks and buses | Thousand units | 3.1* | 4.5 | 6.0 | 8.0 | 9.5 | 9.8 |
| Transportation and trade | | | | | | | |
| Railroad freight traffic | Billion ton-kilometers | 9.10* | 10.5 | 11.9 | 12.5 | 12.8 | 13.0 |
| Motor vehicle freight traffic | Million ton-kilometers | 552* | 765 | *N.A.* | *N.A.* | *N.A.* | *N.A.* |
| Imports (f.o.b.) [f] | Million US $ | 167* | 216* | 202* | 224* | 305* | 345* |
| Exports (f.o.b.) [f] | Million US $ | 154* | 198* | 221* | 226* | 253* | 264* |

* *An asterisk indicates that the data are unclassified.*

[a] Data exclude the armed forces but include the unemployed.

[b] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

[c] Based on an announced increase for 1965 of 24% applied to 1964 plan data.

[d] Tungsten trioxide (60% $WO^3$ basis).

[e] Data are for barley, corn, oats, rice, wheat, soybeans, and tubers on a straigh weight basis.

[f] Estimated data based on data of trading partner countries.

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Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9





Table 42

North Vietnam: Selected Economic Data

| | Unit of Measure | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|
| Aggregative data | | | | | | | |
| Gross industrial production | 1960=100 | 100* | 184* | *N.A.* | *N.A.* | *N.A.* | *N.A.* |
| Total population (midyear) | Million persons | 16.0* | 18.1* | 18.5* | 18.9* | 19.3* | 19.7* |
| Labor force (midyear) [a] | Million persons | 8.2* | 9.4* | 9.5* | 9.6* | 9.6* | 9.6* |
| Fuels and power | | | | | | | |
| Primary energy (coal equivalents [b]) | Million metric tons | 2.4 | 3.7 | 3.8 | 2.3 | 2.8 | 2.6 |
| Electric power (gross) | Billion kilowatt-hours | 0.26* | 0.60 | 0.55 | 0.45 | 0.50 | 0.55 |
| Minerals and metals | | | | | | | |
| Pig iron | Thousand metric tons | 10* | 200 | 150 | *N.A.* | *N.A.* | *N.A.* |
| Iron ore | Million metric tons | 0.02* | 0.40 | 0.30 | *N.A.* | *N.A.* | *N.A.* |
| Chromite [c] | Thousand metric tons | 19.4* | 15.0 | *Negl.* | *Negl.* | *Negl.* | *Negl.* |
| Agriculture | | | | | | | |
| Grain [d] | Million metric tons | 4.43* | 4.79* | *N.A.* | *N.A.* | *N.A.* | *N.A.* |
| Rice (rough, or paddy) | Million metric tons | 4.21* | 4.51* | 4.20 | 4.00 | 3.80 | 4.00 |
| Sweet potatoes and manioc | Million metric tons | 0.92* | 1.18* [e] | *N.A.* | *N.A.* | *N.A.* | *N.A.* |
| Cattle (beginning of year) [f] | Million head | 2.40* | 2.38* | 2.44* | 2.47* | 2.50* | *N.A.* |
| Hogs (beginning of year) | Million head | 3.63* | 4.48* | 4.84* | 5.10* | 5.20* | *N.A.* |
| Manufactured items | | | | | | | |
| Metalcutting machine tools | Thousand units | 0.65* | 0.50* | *N.A.* | *N.A.* | *N.A.* | *N.A.* |
| Cement | Thousand metric tons | 408* | 660* | 665* | 200 | 120 | 250 |
| Trade | | | | | | | |
| Imports (f.o.b.) [g] | Million US $ | 128 [h] | 195 | 250 | 356 | 417 | 429 |
| Exports (f.o.b.) [g] | Million US $ | 80 [h] | 102 | 85 | 57 | 57 | 45 |

* *An asterisk indicates that the data are unclassified.*

[a] Data exclude the armed forces but include the unemployed.

[b] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

[c] Data are for the estimated chromic oxide ($Cr_2O_3$) content of the ores mined.

[d] Corn and rice only.

[e] Excluding manioc.

[f] Including buffaloes.

[g] Unless otherwise indicated, estimated data based on data of trading partner countries.

[h] Estimated.

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Table 43

Albania: Selected Economic Data

| | Unit of Measure | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|
| Aggregative data | | | | | | | |
| Gross industrial production [a] | 1960=100 | 100* | 139* | 156* | 176* | 209* [b] | 232* [b] |
| Total population (midyear) | Million persons | 1.6* | 1.9* | 1.9* | 2.0* | 2.0* | 2.1* |
| Labor force (midyear) [c] | Million persons | 0.73* | 0.82* | 0.84* | 0.87* | 0.89* | 0.91* |
| Fuels and power | | | | | | | |
| Primary energy (coal equivalents [d]) | Million metric tons | 1.1* | 1.4 | 1.5 | 1.6 | 1.7 | 2.0 |
| Electric power (gross) | Billion kilowatt-hours | 0.19* | 0.35* | 0.44* | 0.59* | 0.71* | 0.93* |
| Brown coal and lignite | Million metric tons | 0.3* | 0.3* | 0.4* | 0.4 | 0.5 | 0.6 |
| Crude oil | Million metric tons | 0.73* | 0.82* | 0.89* | 0.98* | 1.04 | 1.17 |
| Minerals and metals | | | | | | | |
| Iron ore [e] | Million metric tons | 0.26* | 0.39* | 0.39* | 0.40* | *N.A.* | *N.A.* |
| Chromite [f] | Thousand metric tons | 130* | 141 | 137 | 148 | 165 | 189 |
| Blister copper | Thousand metric tons | 0.9* | 4.2* | 4.8* | 4.8* | 5.5* | 6.4* |
| Agriculture | | | | | | | |
| Grain [g] | Million metric tons | 0.22* | 0.33* | 0.38 | 0.50 | 0.48 | *N.A.* |
| Potatoes | Million metric tons | 0.02* | 0.02* | 0.11* | 0.12* | 0.16 | *N.A.* |
| Cattle (beginning of year) [h] | Million head | 0.43* | 0.43* | 0.43* | 0.42 | *N.A.* | *N.A.* |
| Hogs (beginning of year) | Million head | 0.12* | 0.15* | 0.14* | 0.14 | *N.A.* | *N.A.* |
| Ginned cotton | Thousand metric tons | 5.4* | 8.2* | 8.2* | 7.3* | *N.A.* | *N.A.* |
| Wool (grease basis) | Thousand metric tons | 2.2 | 2.3 | 2.2 | 2.2 | *N.A.* | *N.A.* |
| Manufactured items | | | | | | | |
| Cement | Thousand metric tons | 73* | 134* | 139* | 221* | 303* | *N.A.* |
| Transportation and trade | | | | | | | |
| Railroad freight traffic | Million ton-kilometers | 50* | 100* | 110* | 120* | 150* | 170* |
| Motor vehicle freight traffic | Million ton-kilometers | 328* | 454* | 527* | 570* | 633* | 700* |
| Imports (f.o.b.) | Million US $ | 81* | 105* [b] | 107* [b] | 109* [b] | 116* [b] | *N.A.* |
| Exports (f.o.b.) | Million US $ | 49* | 63* [b] | 66* [b] | 67* [b] | 75* [b] | *N.A.* |

* *An asterisk indicates that the data are unclassified.*

[a] Socialized industry only.

[b] Estimated.

[c] Including the armed forces and the unemployed.

[d] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

[e] Iron-nickel ore that is mined for its nickel content.

[f] Data are for the estimated chromic oxide ($Cr_2O_3$) content of the ores mined.

[g] Data are for barley, corn, oats, rice, rye, wheat, and buckwheat.

[h] Including buffaloes.

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Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9





Table 44

Cuba: Selected Economic Data

| | Unit of Measure | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|
| Aggregative data | | | | | | | |
| Gross national product | Billion 1957 US $ | 3.10* [a] | 3.01* | 2.92* | 3.18* | 3.02* | N.A. |
| Total population (midyear) | Million persons | 6.5* | 7.2* | 7.3* | 7.5* | 7.6* | 7.7* |
| Fuels and power | | | | | | | |
| Electric power (gross) | Billion kilowatt-hours | 2.98* | 3.56* | 3.66* | 4.06* | 4.20* | N.A. |
| Minerals and metals | | | | | | | |
| Crude steel | Thousand metric tons | N.A. | 30 | 60* | 120* | N.A. | N.A. |
| Manganese ore | Thousand metric tons | 123* | 120 | 115 | N.A. | N.A. | N.A. |
| Refined nickel [b] | Thousand metric tons | 14.7 | 28.2 | 27.9 | 32.0 | 37.0* | 37.0* |
| Chromite [c] | Thousand metric tons | 10.0* [d] | 14.4 | 13.1 | N.A. | N.A. | N.A. |
| Agriculture | | | | | | | |
| Grain [e] | Thousand metric tons | 410 | 70 | 90 | 100 | 100 | 200 |
| Rice (rough, or paddy) | Thousand metric tons | 306* | 50 | 68 | 94 | 94 | 190 |
| Potatoes [f] | Thousand metric tons | 90* | 80 | 100 | 100 | 120 | N.A. |
| Milk | Thousand metric tons | 742* | 620* | 690 | 680* | 650* | N.A. |
| Sugar [g] | Million metric tons | 5.86* | 6.22* | 4.53* | 6.34* | 5.28* | 4.54* |
| Molasses | Million metric tons | 1.6* | 2.1* | 1.2* | 1.9* | N.A. | N.A. |
| Fish catch | Thousand metric tons | 31.2* | 40.3* | 43.2* | 62.9* | 65.7* | 85.0* |
| Green coffee | Thousand metric tons | 42.0* | 23.9 | 33.4 | 34.3 | 29.1 | 35.0 |
| Cattle (beginning of year) | Million head | 5.76* | 6.61 | 6.70 | 6.77 | 7.10* | N.A. |
| Ginned cotton | Thousand metric tons | 7.2* | 0.8 | 0.5 | 1.0 | N.A. | N.A. |
| Tobacco | Thousand metric tons | 52.2* | 43.4 | 51.3 | 45.5 | 46.5 | N.A. |
| Manufactured items | | | | | | | |
| Rubber tires | Thousand units | 343* | 197 | 306 | 414 | N.A. | N.A. |
| Cement | Thousand metric tons | 813* | 801 | 750 | 835 | N.A. | N.A. |
| Trade | | | | | | | |
| Imports (c.i.f.) | Billion US $ | 0.55* | 0.86* | 0.92* | 1.00 | 1.06 | 1.08 |
| Exports (f.o.b.) | Billion US $ | 0.62* | 0.69* | 0.60* | 0.72 | 0.62 | 0.61 |

* *An asterisk indicates that the data are unclassified.*

[a] Data are for 1961.

[b] Nickel content of oxide and sulfides.

[c] Data are for the estimated chromic oxide ($Cr_2O_3$) content of the ores mined.

[d] US imports.

[e] Corn and rice only.

[f] Data reflect government collections only; total production is considerably higher.

[g] Raw cane sugar of 96° polarization.

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9



Table 45

Mongolia: Selected Economic Data

| | Unit of Measure | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|
| Aggregative data | | | | | | | |
| Gross industrial production | 1960=100 | 100* | 165* | 176* | 189* | 204* | 225* |
| Total population (midyear) | Million persons | 1.0* | 1.1* | 1.1* | 1.2* | 1.2* | 1.2* |
| Fuels and power | | | | | | | |
| Electric power (gross) | Million kilowatt-hours | 106* | 242* | 215* | 245* | 289* | 340* |
| Coal | Million metric tons | 0.62* | 0.99* | 1.05* | 1.10* | 1.20* | 1.41* |
| Diesel fuel | Thousand metric tons | 7.0* | 6.6* | N.A. | N.A. | N.A. | N.A. |
| Petroleum | Thousand metric tons | 28.6* | 15.9* | N.A. | N.A. | N.A. | N.A. |
| Gasoline | Thousand metric tons | 17.8* | 17.0* | N.A. | N.A. | N.A. | N.A. |
| Agriculture | | | | | | | |
| Grain [a] | Thousand metric tons | 256* | 354* | 297* | 350* | N.A. | N.A. |
| Fresh butter [b] | Thousand metric tons | 4.8* | 4.1* | N.A. | N.A. | N.A. | N.A. |
| Livestock | Million head | 20.7* | 23.8* | 22.0* | 22.2* | 18.0* | 18.7* |
| Manufactured items | | | | | | | |
| Hides and skins | Million units | 0.92* | 1.97* | N.A. | N.A. | N.A. | N.A. |
| Bricks | Million units | 77.5 | 47.3* | N.A. | 42.8 | 54.1 | 62.6* |
| Leather footwear | Million pairs | 0.90* | 1.40* | 1.48* | 1.66* | 1.78* | 1.94* |
| Transportation and trade | | | | | | | |
| Railroad freight traffic | Billion ton-kilometers | 3.0* | 0.9 | N.A. | N.A. | N.A. | N.A. |
| Imports (f.o.b.) | Million US $ | 121 | 150 | 179 | 209 | 225 | N.A. |
| Exports (f.o.b.) | Million US $ | 73 | 98 | 86 | 86 | 80 | N.A. |

* *An asterisk indicates that the data are unclassified.*
[a] Data are for barley, oats, wheat, and miscellaneous grain.
[b] Excluding butter prepared by the self-employed for their own use.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED
CLASSIFIED MATERIAL ON THE REVERSE

Table 46

Yugoslavia: Selected Economic Data

| | Unit of Measure | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|
| Aggregative data | | | | | | | |
| Index of industrial production | 1960=100 | 100 | 166 | 173 | 172 | 183 | 203 |
| Total population (midyear) | Million persons | 18.4 | 19.5 | 19.7 | 19.9 | 20.2 | 20.4 |
| Labor force (midyear) [a] | Million persons | 8.32 | 8.88 | 8.99 | 0.08 | 0.21 | 9.35 |
| Fuels and power | | | | | | | |
| Primary energy (coal equivalents [b]) | Million metric tons | 15.5 | 21.3 | 21.4 | 20.8 | 21.6 | 22.3 |
| Electric power (gross) | Billion kilowatt-hours | 8.93 | 15.5 | 17.2 | 18.7 | 20.6 | 23.0 |
| Metallurgical coke | Million metric tons | 1.08 | 1.27 | 1.23 | 1.22 | 1.23 | 1.23 |
| Crude oil | Million metric tons | 0.94 | 2.06 | 2.22 | 2.37 | 2.49 | 2.70 |
| Natural gas | Million cubic meters | 53 | 330 | 402 | 461 | 584 | 730 |
| Minerals and metals | | | | | | | |
| Crude steel | Million metric tons | 1.44 | 1.77 | 1.87 | 1.83 | 2.00 | 2.08 |
| Rolled steel | Million metric tons | 0.97 | 1.19 | 1.23 | 1.18 | 1.51 | 1.66 |
| Iron ore | Million metric tons | 2.20 | 2.50 | 2.49 | 2.58 | 2.72 | 2.72 |
| Refined copper | Thousand metric tons | 35.1 | 56.4 | 62.9 | 66.2 | 70.1 | 82.0 |
| Primary aluminum | Thousand metric tons | 25 | 39 | 42 | 45 | 48 | 48 |
| Bauxite | Million metric tons | 1.02 | 1.57 | 1.89 | 2.13 | 2.07 | 2.13 |
| Agriculture | | | | | | | |
| Grain [c] | Million metric tons | 10.9 | 10.6 | 13.9 | 13.2 | 12.1 | 13.6 |
| Meat [d] | Thousand metric tons | 522 | 639 | 558 | 636 | 655 | 600 |
| Milk | Million metric tons | 2.28 | 2.30 | 2.51 | 2.60 | 2.71 | 2.75 |
| Fish catch | Thousand metric tons | 30.9 | 41.9 | 45.5 | 48.0 | 45.0 | N.A. |
| Cattle (beginning of year) | Million head | 5.30 | 5.22 | 5.58 | 5.71 | 5.69 | 5.26 |
| Hogs (beginning of year) | Million head | 6.21 | 6.98 | 5.12 | 5.52 | 5.86 | 5.09 |
| Manufactured items | | | | | | | |
| Sulfuric acid (100%) | Thousand metric tons | 130 | 435 | 542 | 592 | 589 | 695 |
| Mineral fertilizer (nutrients) | Thousand metric tons | 45 | 220 | 279 | 305 | 309 | 300 |
| Cotton fabrics | Million square meters | 257 | 394 | 416 | 378 | 401 | 416 |
| Cement | Million metric tons | 2.40 | 3.10 | 3.23 | 3.31 | 3.76 | 3.96 |
| Tractors | Thousand units | 7.3 | 7.4 | 8.7 | 8.8 | 10.9 | 10.8 |
| Passenger automobiles | Thousand units | 10.5 | 35.9 | 37.7 | 47.9 | 59.4 | 80.5 |
| Trucks and buses (civilian) | Thousand units | 5.5 | 11.9 | 11.8 | 12.7 | 13.4 | 14.0 |
| Transportation and trade | | | | | | | |
| Railroad freight traffic [e] | Billion ton-kilometers | 15.2 | 18.0 | 17.5 | 16.4 | 16.4 | 17.7 |
| Imports (c.i.f.) | Billion US $ | 0.83 | 1.29 | 1.58 | 1.71 | 1.80 | 2.14 |
| Exports (f.o.b.) | Billion US $ | 0.57 | 1.09 | 1.22 | 1.23 | 1.26 | 1.48 |

[a] Including the armed forces and the unemployed.
[b] Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.
[c] Data are for barley, corn, oats, rice, rye, and wheat.
[d] Data are on a carcass weight, bone-in basis; are for beef, veal, pork, mutton, and horsemeat; and include live exports.
[e] Including service traffic.



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9/14 : CIA-RDP85T00875

FOREIGN TRADE

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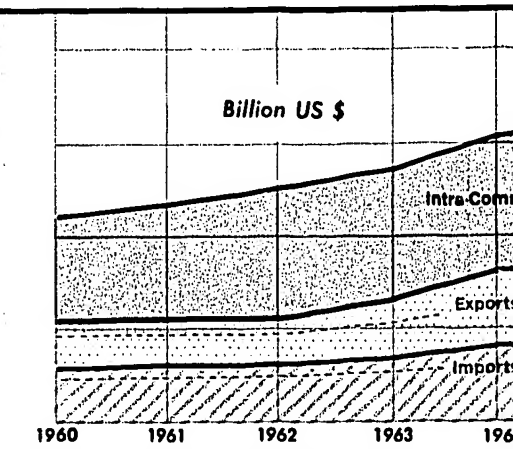
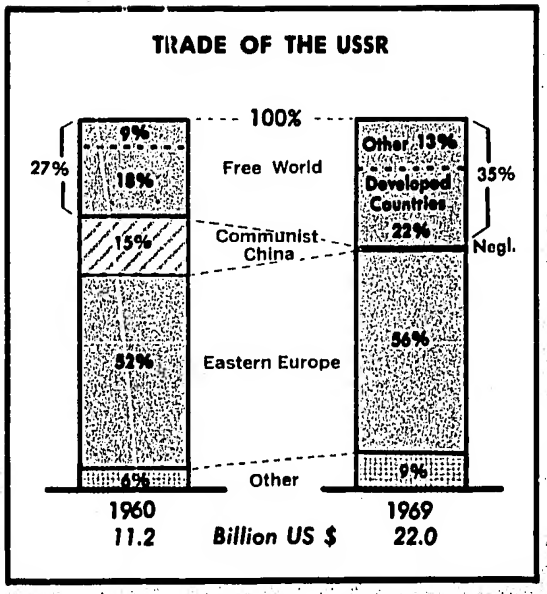
# DIRECTION OF FOREIGN TRADE OF

BI

| | 1960 | 1961 | 1962 | 1963 |
|---|---|---|---|---|
| Total Trade | 22.3 | 23.3 | 24.9 | 27.0 |
| Intra-Communist trade (exports) | 11.7 | 12.3 | 13.3 | 14.1 |
| Exports to the Free World | 5.0 | 5.1 | 5.8 | 6.4 |
| Of which: | | | | |
| Developed Countries | 3.5 | 3.3 | 3.4 | 3.9 |
| Imports from the Free World | 5.7 | 5.9 | 5.8 | 6.5 |
| Of which: | | | | |
| Developed Countries | 4.1 | 4.4 | 4.3 | 4.7 |



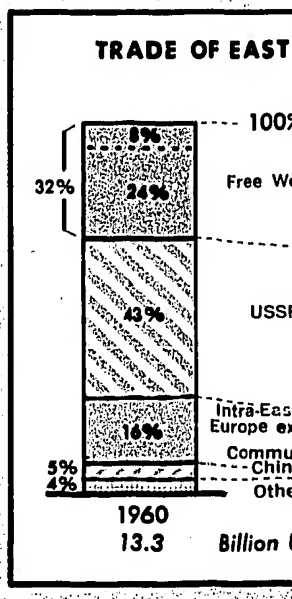




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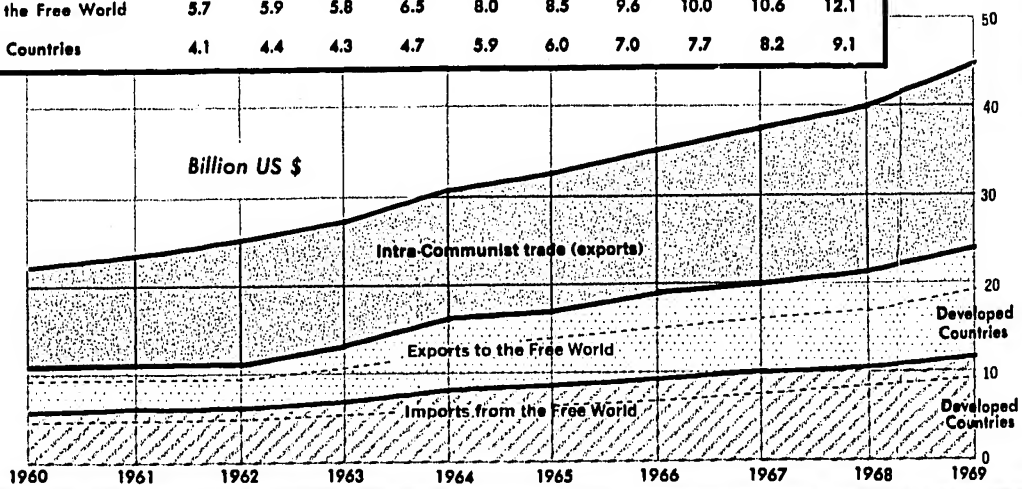
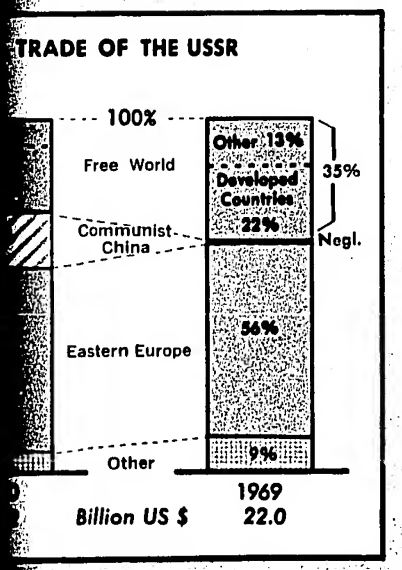
Figure 10

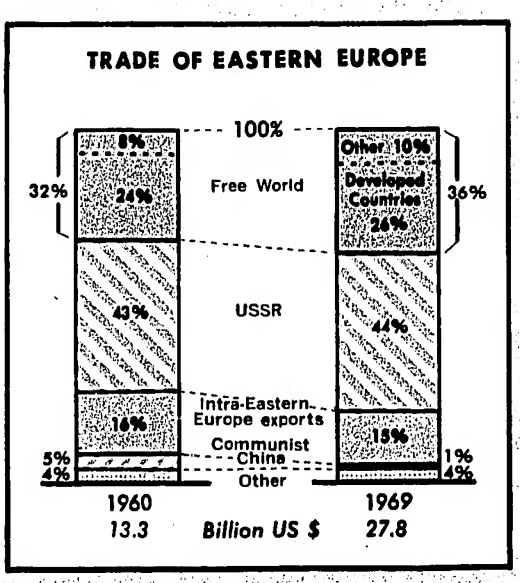
# DIRECTION OF FOREIGN TRADE OF THE COMMUNIST COUNTRIES

BILLION US $

| | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Trade | 22.3 | 23.3 | 24.9 | 27.0 | 30.4 | 32.6 | 35.2 | 37.4 | 40.0 | 44.6 |
| Intra-Communist trade (exports) | 11.7 | 12.3 | 13.3 | 14.1 | 15.2 | 16.0 | 16.3 | 17.6 | 19.3 | 20.7 |
| Exports to the Free World | 5.0 | 5.1 | 5.8 | 6.4 | 7.2 | 8.2 | 9.3 | 9.8 | 10.1 | 11.8 |
| Of which: Developed Countries | 3.5 | 3.3 | 3.4 | 3.9 | 4.4 | 4.9 | 5.7 | 6.1 | 6.4 | 7.3 |
| Imports from the Free World | 5.7 | 5.9 | 5.8 | 6.5 | 8.0 | 8.5 | 9.6 | 10.0 | 10.6 | 12.1 |
| Of which: Developed Countries | 4.1 | 4.4 | 4.3 | 4.7 | 5.9 | 6.0 | 7.0 | 7.7 | 8.2 | 9.1 |



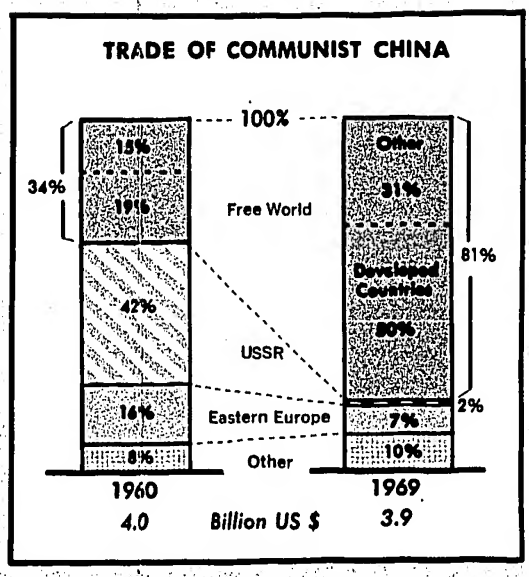




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Table 47

World Exports,[a] by Selected Country and Region

Billion

| | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|
| World | 130 | 135 | 143 | 156 | 174 | 188 | 206 | 217 | 241 | 274 |
| Free World | 113 | 118 | 124 | 135 | 152 | 164 | 180 | 189 | 212 | 242 |
| Of which: | | | | | | | | | | |
| United States | 20.6 | 21.0 | 21.7 | 23.4 | 26.6 | 27.5 | 30.4 | 31.6 | 34.6 | 38.0 |
| Western Europe | 51.4 | 55.1 | 58.1 | 63.3 | 70.8 | 78.5 | 85.7 | 90.2 | 101 | 118 |
| Japan | 4.1 | 4.2 | 4.9 | 5.5 | 6.7 | 8.5 | 9.8 | 10.4 | 13.0 | 16.0 |
| Communist Countries | 16.7 | 17.4 | 19.1 | 20.5 | 22.4 | 24.2 | 25.6 | 27.4 | 29.4 | 32.5 |
| Of which: | | | | | | | | | | |
| USSR | 5.6 | 6.0 | 7.0 | 7.3 | 7.7 | 8.2 | 8.8 | 9.7 | 10.6 | 11.7 |
| Eastern Europe | 7.6 | 8.3 | 8.9 | 9.9 | 10.9 | 11.8 | 12.3 | 13.4 | 14.5 | 16.2 |
| Communist China | 1.9 | 1.5 | 1.5 | 1.6 | 1.8 | 2.0 | 2.2 | 1.9 | 1.9 | 2.1 |

[a] Including foreign aid where possible. Data are f.o.b.

Table 48

Trade of the US with the USSR and East European Communist Countries

Million U

| | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|
| US exports to[a] | 193.9 | 133.3 | 125.4 | 166.8 | 339.9 | 140.0 | 197.6 | 195.2 | 215.0 | 249.3 |
| USSR[b] | 39.3 | 45.6 | 20.2 | 22.9 | 146.4 | 45.2 | 41.7 | 60.3 | 57.7 | 105.5 |
| Eastern Europe | 154.6 | 87.8 | 105.1 | 143.9 | 193.5 | 94.8 | 155.8 | 134.9 | 157.3 | 143.7 |
| US imports from[a] | 80.9 | 81.0 | 78.8 | 81.4 | 98.4 | 137.4 | 178.6 | 176.9 | 198.1 | 195.1 |
| USSR[b] | 22.6 | 23.2 | 16.3 | 21.2 | 20.7 | 42.6 | 49.6 | 41.2 | 58.5 | 51.5 |
| Eastern Europe | 58.2 | 57.8 | 62.5 | 60.2 | 77.7 | 94.7 | 129.0 | 135.7 | 139.7 | 143.6 |

[a] Exports include reexports and are valued f.a.s. Imports are general imports and are valued f.o.b. port of export.
[b] Including data for Estonia, Latvia, and Lithuania.

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Table 49

Trade of the US with the USSR, by Commodity [a]

Thousand US $

| | 1960 | 1965 | 1966 | 1967 | 1968 |
|---|---|---|---|---|---|
| | Exports to the USSR [b] | | | | |
| Total exports [c] | 39,255 | 45,117 | 41,668 | 60,276 | 57,404 |
| Food and beverages | 60 | 0 | 97 | 9 | 15 |
| Tobacco and tobacco manufactures | 0 | 36 | 48 | 248 | 896 |
| Crude materials | 4,022 | 15,902 | 23,233 | 32,326 | 18,030 |
| Hides and skins except fur skins | 2,622 | 6,170 | 15,560 | 19,323 | 5,227 |
| Pulp and waste paper | 0 | 1,986 | 5,265 | 7,408 | 11,661 |
| Manmade fibers | 1,400 | 1,353 | 2,403 | 5,396 | 1,090 |
| Oils, fats, and waxes | 0 | 17,493 | 7,599 | 0 | 0 |
| Chemicals | 3,099 | 5,730 | 4,883 | 13,125 | 20,636 |
| Basic manufactures | 12,310 | 59 | 1,203 | 1,690 | 685 |
| Machinery and transport equipment | 19,254 | 5,155 | 4,080 | 11,504 | 14,997 |
| Nonelectric machinery | 17,403 | 2,636 | 3,472 | 9,264 | 11,853 |
| Electric machinery and appliances | 49 | 447 | 444 | 1,587 | 2,681 |
| Transport equipment | 1,802 | 2,072 | 164 | 653 | 463 |
| Miscellaneous manufactures | 258 | 144 | 331 | 1,172 | 1,917 |
| Other | 252 | 598 | 194 | 202 | 228 |
| | Imports from the USSR [d] | | | | |
| Total imports [c] | 22,779 | 42,584 | 49,543 | 41,049 | 58,262 |
| Food, beverages, and tobacco | 221 | 568 | 767 | 894 | 411 |
| Crude materials | 8,008 | 13,867 | 16,390 | 14,440 | 15,510 |
| Furs skins, undressed | 5,967 | 6,176 | 6,302 | 4,227 | 4,633 |
| Chrome ore | 160 | 4,373 | 6,323 | 6,785 | 7,297 |
| Oils, fats, and waxes | 0 | 0 | 3 | 1,984 | 2 |
| Chemicals | 8,175 | 960 | 1,391 | 1,149 | 1,017 |
| Basic manufactures [e] | 5,738 | 26,428 | 30,280 | 21,752 | 40,000 |
| Platinum group metals [e] | 5,525 | 22,979 | 19,048 | 10,725 | 24,963 |
| Miscellaneous manufactures | 317 | 513 | 534 | 721 | 1,263 |
| Other | 320 | 248 | 178 | 109 | 59 |

[a] Including data for Estonia, Latvia, and Lithuania, which are treated separately in the US Department of Commerce statistics.
[b] Exports are domestic exports only, excluding reexports, and are valued f.a.s.
[c] The minor differences between the totals shown on this table are those shown on the preceding table are due to differences in definition.
[d] General imports for all years except 1960, for which import data are for consumption only. Imports are valued f.o.b. port of export.
[e] Data may include unrefined metal.





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Table 50

Trade Turnover of the Communist Countries [a]

| | Million US $ | | | | | | Average Annual Rate of Growth [b] (Percent) | |
|---|---|---|---|---|---|---|---|---|
| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 | 1961–65 | 1966–69 |
| COMMUNIST COUNTRIES | | | | | | | | |
| USSR and Eastern Europe | | | | | | | | |
| USSR | 11,192* | 16,233* | 16,754* | 18,189* | 20,044* | 21,982* | 7.7* | 7.9* |
| Eastern Europe | | | | | | | | |
| Bulgaria | 1,204* | 2,354* | 2,783* | 3,030* | 3,397* | 3,550* | 14.3* | 10.8* |
| Czechoslovakia | 3,745* | 5,361* | 5,481* | 5,544* | 6,082* | 6,614* | 7.4* | 5.4* |
| East Germany | 4,402* | 5,879* | 6,420* | 6,735* | 7,172* | 8,112* [c] | 6.0* | 8.4* |
| Hungary | 1,850* | 3,030* | 3,159* | 3,476* | 3,592* | 4,011* | 10.4* | 7.3* |
| Poland | 2,820* | 4,568* | 4,766* | 5,171* | 5,711* | 6,353* | 10.1* | 8.6* |
| Romania | 1,365* | 2,179* | 2,399* | 2,941* | 3,077* | 3,374* [c] | 9.8* | 11.6* |
| Far East | | | | | | | | |
| Communist China [c d] | 3,975* | 3,850* | 4,205* | 3,860* | 3,710* | 3,885* | −0.6* | 0.2* |
| North Korea [e] | 321* | 414* | 423* | 450* | 559* | 587* [c] | 5.2* | 9.1* |
| North Vietnam | 208 [c] | 298 [c] | 335 [c] | 412 [c] | 474 [c] | 474 [c] | 7.5 | 12.3 |
| Other | | | | | | | | |
| Albania | 130* | 168* [c] | 173* [c] | 176* [c] | 190* [c] | 223* [c] | 5.3* | 7.3* |
| Cuba | 1,168* | 1,551* | 1,521* | 1,718 | 1,685 | 1,680 [c] | 5.8* | 2.0 |
| Yugoslavia | 1,393* | 2,379* | 2,796* | 2,959* | 3,061* | 3,610* | 11.3* | 11.0* |

* *An asterisk indicates that the data are unclassified.*

[a] Official statistics of the countries listed, except where data are estimated. Official statistics for exports and imports are f.o.b. except for Hungary, Cuba, and Yugoslavia where imports are c.i.f.

[b] The base year is the year prior to the stated period.

[c] Estimated.

[d] Rounded to the nearest US $5 million.

[e] Estimated data based on data of trading partner countries.

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Table 51

Trade Among the Communist Countries [a]

Million US $

| | Exports by Designated Country | | | | | |
|---|---|---|---|---|---|---|
| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
| COMMUNIST COUNTRIES | | | | | | |
| USSR and Eastern Europe | | | | | | |
| USSR | 4,211* | 5,556* | 5,873* | 6,377* | 7,134* | 7,682* |
| Eastern Europe | | | | | | |
| Bulgaria | 480* | 934* | 997* | 1,135* | 1,270* | 1,423* |
| Czechoslovakia | 1,395* | 1,965* | 1,928* | 2,051* | 2,131* | 2,293* |
| East Germany | 1,672* | 2,297* | 2,386* | 2,599* | 2,904* | N.A. |
| Hungary | 625* | 1,058* | 1,089* | 1,167* | 1,286* | 1,418* |
| Poland | 830* | 1,409* | 1,400* | 1,611* | 1,878* | 2,066* |
| Romania | 523* | 756* | 735* | 789* | 873* | N.A. |
| Far East | | | | | | |
| Communist China [b c] | 1,320* | 650* | 595* | 460* | 460* | 435* |
| North Korea [d] | 149* | 177* | 189* | 189* | 206* | 214* [b] |
| North Vietnam | 64 [b] | 79 [d] | 64 [d] | 45 [d] | 47 [d] | 32 [d] |
| Other | | | | | | |
| Albania | 48* | 59* [b] | 62* [b] | 62* [b] | 66* [b] | N.A. |
| Cuba | 151* | 536* | 485* | 582 | 480 | 420 [b] |
| Yugoslavia | 183* | 465* | 455* | 459* | 457* | 471* [b] |

| | Imports by Designated Country | | | | | |
|---|---|---|---|---|---|---|
| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
| COMMUNIST COUNTRIES | | | | | | |
| USSR and Eastern Europe | | | | | | |
| USSR | 3,978* | 5,610* | 5,264* | 5,946* | 6,367* | 6,696* |
| Eastern Europe | | | | | | |
| Bulgaria | 531* | 874* | 1,028* | 1,165* | 1,367* | 1,396* |
| Czechoslovakia | 1,294* | 1,961* | 1,923* | 1,929* | 2,219* | 2,373* |
| East Germany | 1,620* | 2,046* | 2,307* | 2,394* | 2,558* | N.A. |
| Hungary | 687* | 1,018* | 1,016* | 1,183* | 1,235* | 1,306* |
| Poland | 950* | 1,548* | 1,604* | 1,737* | 1,838* | 2,112* |
| Romania | 474* | 660* | 694* | 754* | 827* | N.A. |
| Far East | | | | | | |
| Communist China [b c] | 1,285* | 515* | 505* | 340* | 340* | 300* |
| North Korea [d] | 160* | 180* | 170* | 192* | 256* | 275* [b] |
| North Vietnam | 118 [b] | 180 [d] | 237 [d] | 350 [d] | 410 [d] | 418 [d] |
| Other | | | | | | |
| Albania [e] | 77* | 98* [b] | 99* [b] | 102* [b] | 105* [b] | N.A. |
| Cuba | 120* | 658* | 738* | 792 | 850 | 815 [b] |
| Yugoslavia | 212* | 375* | 507* | 462* | 494* | 517* [b] |

* *An asterisk indicates that the data are unclassified.*

[a] Official statistics of the countries listed, except where data are estimated. Official statistics for exports and imports are f.o.b. except for Hungary, Cuba, and Yugoslavia, where imports are c.i.f.

[b] Estimated.

[c] Rounded to the nearest US $5 million.

[d] Estimated data based on data of trading partner countries.

[e] Including imports from non-Communist countries estimated to have been financed by Communist China.





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Table 52

Trade of the Communist Countries with the Free World [a]

Million US $

| | Exports to the Free World | | | | | |
|---|---|---|---|---|---|---|
| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
| COMMUNIST COUNTRIES | | | | | | |
| USSR and Eastern Europe | | | | | | |
| USSR | 1,352 | 2,618 | 2,968 | 3,275 | 3,500 | 3,973 |
| Eastern Europe | | | | | | |
| Bulgaria | 91 | 242 | 308 | 323 | 345 | 378 |
| Czechoslovakia | 535 | 723 | 817 | 813 | 874 | 1,026 |
| East Germany | 535 | 773 | 819 | 857 | 881 | N.A. |
| Hungary | 249 | 452 | 504 | 534 | 504 | 666 |
| Poland | 495 | 819 | 872 | 915 | 979 | 1,077 |
| Romania | 194 | 346 | 451 | 606 | 595 | N.A. |
| Far East | | | | | | |
| Communist China [b c] | 625 | 1,345 | 1,575 | 1,455 | 1,430 | 1,625 |
| North Korea [d] | 5 | 21 | 32 | 37 | 47 | 50 [b] |
| North Vietnam [d] | 16 | 23 | 21 | 12 | 10 | 13 |
| Other | | | | | | |
| Albania | 1 | 4 [b] | 4 [b] | 5 [b] | 9 [b] | N.A. |
| Cuba | 467 | 150 | 111 | 135 | 145 | 190 [b] |
| Yugoslavia | 383 | 627 | 765 | 793 | 807 | 1,004 [b] |

| | Imports from the Free World | | | | | |
|---|---|---|---|---|---|---|
| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
| COMMUNIST COUNTRIES | | | | | | |
| USSR and Eastern Europe | | | | | | |
| USSR | 1,650 | 2,448 | 2,649 | 2,591 | 3,043 | 3,631 |
| Eastern Europe | | | | | | |
| Bulgaria | 102 | 303 | 450 | 407 | 415 | 353 |
| Czechoslovakia | 522 | 711 | 813 | 751 | 858 | 921 |
| East Germany | 574 | 763 | 908 | 884 | 830 | N.A. |
| Hungary | 288 | 502 | 550 | 592 | 568 | 622 |
| Poland | 546 | 793 | 890 | 908 | 1,015 | 1,098 |
| Romania | 174 | 418 | 519 | 792 | 782 | N.A. |
| Far East | | | | | | |
| Communist China [b c] | 745 | 1,340 | 1,530 | 1,605 | 1,480 | 1,525 |
| North Korea [d] | 7 | 36 | 32 | 32 | 49 | 70 [b] |
| North Vietnam [d] | 10 | 15 | 13 | 6 | 7 | 11 |
| Other | | | | | | |
| Albania [e] | 4 | 7 [b] | 8 [b] | 7 [b] | 11 [b] | N.A. |
| Cuba | 430 | 207 | 187 | 209 | 210 | 260 [b] |
| Yugoslavia | 614 | 913 | 1,068 | 1,245 | 1,303 | 1,618 [b] |

[a] Official statistics of the countries listed, except where data are estimated. Official statistics for exports and imports are f.o.b. except for Hungary, Cuba, and Yugoslavia, where imports are c.i.f.

[b] Estimated.

[c] Rounded to the nearest US $5 million.

[d] Estimated data based on data of trading partner countries.

[e] Excluding imports which are estimated to have been financed by Communist China.



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ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 53

Direction of Soviet Foreign Trade [a]

Million

| | | | Communist Countries | | | | | Free World | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total Trade | Total | Eastern Europe | Communist China | Other Asian | Other [b] | Total | Developed Countries | Less Developed Countries | Unspec |
| 1960 | Exports | 5,563.6 | 4,211.4 | 3,074.3 | 817.1 | 63.9 | 256.1 | 1,352.2 | 983.1 | 338.3 | 30. |
| | Imports | 5,628.4 | 3,978.3 | 2,795.0 | 848.1 | 97.8 | 237.4 | 1,650.1 | 1,079.8 | 564.5 | 5. |
| 1961 | Exports | 5,998.4 | 4,321.1 | 3,399.7 | 367.3 | 118.3 | 435.7 | 1,677.3 | 1,069.3 | 498.4 | 109. |
| | Imports | 5,827.6 | 4,146.7 | 3,044.1 | 551.4 | 104.8 | 446.4 | 1,680.9 | 1,092.9 | 579.2 | 8. |
| 1962 | Exports | 7,030.5 | 4,905.2 | 3,971.1 | 233.4 | 135.3 | 565.3 | 2,125.3 | 1,115.2 | 560.0 | 450. |
| | Imports | 6,455.4 | 4,565.5 | 3,590.3 | 516.3 | 118.4 | 340.4 | 1,889.9 | 1,282.8 | 604.4 | 2. |
| 1963 | Exports | 7,272.4 | 5,099.4 | 4,163.3 | 187.2 | 138.8 | 610.1 | 2,173.0 | 1,218.1 | 751.9 | 203. |
| | Imports | 7,058.7 | 4,986.4 | 4,146.8 | 413.0 | 123.4 | 303.1 | 2,072.3 | 1,399.5 | 664.1 | 8. |
| 1964 | Exports | 7,683.3 | 5,406.8 | 4,499.2 | 135.3 | 130.6 | 641.8 | 2,276.4 | 1,282.1 | 775.0 | 219. |
| | Imports | 7,736.5 | 5,346.4 | 4,450.4 | 314.2 | 115.4 | 466.3 | 2,390.1 | 1,734.4 | 654.1 | 1. |
| 1965 | Exports | 8,174.6 | 5,556.3 | 4,552.6 | 191.7 | 164.7 | 647.3 | 2,618.3 | 1,438.0 | 910.7 | 269. |
| | Imports | 8,058.3 | 5,609.8 | 4,672.6 | 225.6 | 118.9 | 592.8 | 2,448.4 | 1,600.8 | 845.2 | 2. |
| 1966 | Exports | 8,841.0 | 5,872.8 | 4,692.0 | 175.3 | 153.8 | 851.8 | 2,968.2 | 1,711.4 | 886.3 | 370. |
| | Imports | 7,912.8 | 5,263.8 | 4,462.1 | 143.1 | 117.7 | 541.0 | 2,649.0 | 1,741.6 | 903.5 | 3. |
| 1967 | Exports | 9,652.2 | 6,377.0 | 5,038.7 | 50.3 | 258.0 | 1,030.0 | 3,275.2 | 1,886.1 | 963.2 | 425. |
| | Imports | 8,536.6 | 5,945.5 | 5,092.5 | 56.7 | 128.9 | 667.4 | 2,591.1 | 1,782.1 | 805.1 | 3. |
| 1968 | Exports | 10,634.2 | 7,134.0 | 5,636.1 | 59.3 | 331.5 | 1,107.2 | 3,500.2 | 2,051.2 | 946.5 | 502. |
| | Imports | 9,409.9 | 6,367.0 | 5,643.6 | 36.7 | 138.7 | 548.0 | 3,042.9 | 2,143.6 | 884.3 | 14. |

[a] Official Soviet statistics. Exports and imports are f.o.b.

[b] Other Communist countries include Yugoslavia, Mongolia, Cuba, and Albania.

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Table 54

Soviet Exports, by Commodity[a]

Value in Million

| | 1960 | | 1965 | 1966 | 1967 | 1968 | |
|---|---|---|---|---|---|---|---|
| | Value | Percent | Value | Value | Value | Value | Percent |
| Total exports | 5,563.6 | 100.0 | 8,174.6 | 8,841.0 | 9,652.2 | 10,634.2 | 100.0 |
| Machinery and equipment | 1,141.2 | 20.5 | 1,635.8 | 1,838.2 | 2,035.9 | 2,301.7 | 21.6 |
| Complete plants | 568.5 | 10.2 | 613.5 | 641.3 | 720.8 | 819.4 | 7.7 |
| Fuels, lubricants, and related materials | 901.8 | 16.2 | 1,386.4 | 1,429.5 | 1,527.3 | 1,675.2 | 15.8 |
| Coal and coke | 242.1 | 4.4 | 384.3 | 358.8 | 351.1 | 340.6 | 3.2 |
| Petroleum and petroleum products | 657.9 | 11.8 | 998.9 | 1,064.2 | 1,156.2 | 1,306.6 | 12.3 |
| Ores and concentrates | 242.9 | 4.4 | 310.0 | 302.2 | 325.8 | 351.3 | 3.3 |
| Iron ore | 175.0 | 3.1 | 250.7 | 241.7 | 261.6 | 290.4 | 2.7 |
| Base metals and manufactures | 837.7 | 15.1 | 1,330.0 | 1,345.6 | 1,339.3 | 1,449.1 | 13.6 |
| Ferrous metals | 642.7 | 11.6 | 998.3 | 965.5 | 974.7 | 1,012.6 | 9.5 |
| Rolled ferrous metals | 428.8 | 7.7 | 659.4 | 632.7 | 643.7 | 663.4 | 6.2 |
| Nonferrous metals | 194.9 | 3.5 | 331.8 | 380.1 | 364.6 | 436.5 | 4.1 |
| Aluminum | 44.7 | 0.8 | 110.9 | 118.6 | 120.9 | 137.8 | 1.3 |
| Tin | 24.6 | 0.4 | *Negl.* | *Negl.* | *Negl.* | *Negl.* | *Negl.* |
| Chemicals | 150.1 | 2.7 | 245.3 | 277.6 | 324.8 | 371.7 | 3.5 |
| Wood and wood products | 305.1 | 5.5 | 593.6 | 622.1 | 626.4 | 679.6 | 6.4 |
| Lumber | 182.8 | 3.3 | 312.2 | 307.6 | 282.6 | 292.3 | 2.7 |
| Textile raw materials and semimanufactures | 358.6 | 6.4 | 421.3 | 460.1 | 451.3 | 476.0 | 4.5 |
| Cotton fiber | 288.7 | 5.2 | 334.7 | 367.7 | 373.1 | 403.9 | 3.8 |
| Consumer goods | 890.9 | 16.2 | 904.3 | 1,046.2 | 1,358.0 | 1,333.8 | 12.5 |
| Food | 693.4 | 12.5 | 664.0 | 785.9 | 1,081.0 | 1,029.8 | 9.7 |
| Grain | 467.8 | 8.4 | 270.3 | 232.0 | 450.4 | 382.7 | 3.6 |
| Other consumer goods | 205.6 | 3.7 | 240.4 | 260.3 | 277.0 | 304.0 | 2.9 |
| Other merchandise | 209.7 | 3.8 | 240.0 | 309.5 | 366.0 | 378.5 | 3.6 |
| Unspecified | 515.6 | 9.3 | 1,107.8 | 1,209.9 | 1,297.3 | 1,617.3 | 15.2 |

[a] Official Soviet statistics. Exports are f.o.b.

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Table 55

Soviet Imports, by Commodity[a]

Value in Million US

| | 1960 | | 1965 | 1966 | 1967 | 1968 | |
|---|---|---|---|---|---|---|---|
| | Value | Percent | Value | Value | Value | Value | Percent |
| Total imports | 5,628.4 | 100.0 | 8,058.3 | 7,912.8 | 8,536.6 | 9,409.9 | 100.0 |
| Machinery and equipment | 1,675.2 | 29.8 | 2,692.2 | 2,564.8 | 2,916.9 | 3,474.5 | 36.9 |
| Transportation equipment | 660.1 | 11.7 | 990.0 | 943.7 | 926.6 | 1,031.4 | 11.0 |
| Fuels, lubricants, and related materials | 237.3 | 4.2 | 198.5 | 184.5 | 185.9 | 177.5 | 1.9 |
| Coal and coke | 93.5 | 1.7 | 123.0 | 127.4 | 134.5 | 122.0 | 1.3 |
| Petroleum and petroleum products | 143.7 | 2.6 | 75.5 | 57.1 | 51.4 | 46.6 | 0.5 |
| Ores and concentrates | 314.0 | 5.6 | 315.5 | 300.5 | 313.7 | 187.4 | 2.0 |
| Base metals and manufactures | 545.9 | 9.7 | 393.1 | 307.8 | 355.2 | 451.9 | 4.8 |
| Ferrous metals | 373.9 | 6.6 | 317.9 | 249.4 | 295.2 | 375.3 | 4.0 |
| Rolled ferrous metals | 178.8 | 3.2 | 136.0 | 99.2 | 145.1 | 202.7 | 2.2 |
| Nonferrous metals | 172.0 | 3.1 | 75.2 | 58.4 | 59.9 | 76.6 | 0.8 |
| Tin | 34.8 | 0.6 | 21.0 | 16.0 | 18.4 | 21.7 | 0.2 |
| Copper | 71.9 | 1.3 | 0.5 | 7.6 | 1.4 | 11.4 | 0.1 |
| Chemicals | 149.3 | 2.7 | 375.4 | 398.4 | 467.2 | 535.7 | 5.7 |
| Rubber and rubber products | 196.2 | 3.5 | 198.9 | 206.6 | 182.8 | 172.1 | 1.8 |
| Wood and wood products | 104.8 | 1.9 | 150.3 | 152.2 | 187.5 | 200.7 | 2.1 |
| Textile raw materials and semimanufactures | 364.5 | 6.5 | 357.9 | 374.7 | 343.3 | 368.1 | 3.9 |
| Cotton fiber | 179.9 | 3.2 | 161.7 | 140.4 | 112.6 | 118.9 | 1.3 |
| Wool fiber | 118.0 | 2.1 | 100.0 | 117.9 | 88.7 | 109.0 | 1.2 |
| Consumer goods | 1,572.2 | 27.9 | 2,656.7 | 2,724.7 | 2,859.0 | 3,004.2 | 31.9 |
| Food | 611.8 | 10.9 | 1,511.1 | 1,443.8 | 1,238.5 | 1,164.9 | 12.4 |
| Wheat and wheat flour | 9.6 | 0.2 | 424.8 | 515.1 | 151.2 | 124.6 | 1.3 |
| Other consumer goods | 960.4 | 17.1 | 1,145.6 | 1,280.9 | 1,620.5 | 1,839.4 | 19.5 |
| Other merchandise | 375.9 | 6.7 | 480.4 | 478.9 | 480.4 | 467.3 | 5.0 |
| Unspecified | 93.2 | 1.7 | 239.4 | 219.6 | 244.7 | 370.5 | 3.9 |

[a] Official Soviet statistics. Imports are f.o.b.

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Table 56

Soviet Exports of Petroleum[a]

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| | | | | | | Million Metric Tons |
| Total petroleum | 33.2* | 64.4* | 73.6* | 79.0* | 86.2* | 86.3 |
| Free World | 18.0* | 35.5* | 41.4* | 43.7* | 44.7* | 41.8 |
| Communist Countries | 15.2* | 28.9* | 32.2* | 35.4* | 41.5* | 44.5 |
| Eastern Europe | 9.2* | 22.4* | 25.3* | 27.7* | 32.4* | 35.4 |
| Crude oil | 17.8* | 43.4* | 50.3* | 54.1* | 59.2* | 60.7 |
| Free World | 9.0* | 21.0* | 24.8* | 26.8* | 26.7* | 24.7 |
| Communist Countries | 8.8* | 22.4* | 25.5* | 27.3* | 32.5* | 36.0 |
| Eastern Europe | 6.2* | 18.3* | 21.0* | 22.6* | 27.3* | 30.8 |
| Petroleum products | 15.4* | 21.0* | 23.3* | 24.9* | 27.0* | 25.6 |
| Free World | 9.0* | 14.5* | 16.6* | 16.9* | 18.0* | 17.1 |
| Communist Countries | 6.4* | 6.5* | 6.7* | 8.1* | 9.0* | 8.5 |
| Eastern Europe | 3.0* | 4.1* | 4.3* | 5.0* | 5.0* | 4.6 |
| | | | | | | Million US $ |
| Total petroleum | 657.9* | 998.9* | 1,064.2* | 1,156.1* | 1,306.6* | 1,350.0 |
| Free World | 250.1* | 422.3* | 486.9* | 540.6* | 587.2* | 575.0 |
| Communist Countries | 407.8* | 576.6* | 577.3* | 615.6* | 719.4* | 775.0 |
| Eastern Europe | 239.7* | 469.6* | 465.7* | 490.2* | 566.6* | 600.0 |
| Crude oil | 275.7* | 612.0* | 657.4* | 713.0* | 798.3* | 865.0 |
| Free World | 101.5* | 214.6* | 252.0* | 295.4* | 308.7* | 315.0 |
| Communist Countries | 174.2* | 397.4* | 405.4* | 417.6* | 489.6* | 550.0 |
| Eastern Europe | 137.2* | 348.3* | 352.2* | 363.2* | 437.8* | 475.0 |
| Petroleum products | 382.2* | 386.9* | 406.9* | 443.1* | 508.3* | 485.0 |
| Free World | 148.6* | 207.7* | 234.9* | 245.2* | 278.5* | 260.0 |
| Communist Countries | 233.6* | 179.2* | 172.0* | 198.0* | 229.8* | 225.0 |
| Eastern Europe | 102.5* | 121.3* | 113.5* | 127.0* | 128.8* | 125.0 |

* *An asterisk indicates that the data are unclassified.*

[a] Except for the terminal year, data are official Soviet statistics. Data for the Free World are derived as residuals and include exports for which the importing country is not specified.

Table 57

Soviet Imports of Chemical Equipment

Million US $

| | 1960 | 1965 | 1966 | 1967 | 1968 |
|---|---|---|---|---|---|
| Total | 185.6* | 208.2* | 231.1* | 291.8* | 309.5* |
| Eastern Europe | 49.1* | 97.7* | 83.8* | 115.1* | 105.1* |
| Of which: | | | | | |
| Czechoslovakia | 24.3* | 48.7* | 34.9* | 51.8* | 31.0* |
| East Germany | 18.4* | 17.9* | 23.6* | 31.7* | 42.2* |
| Developed Countries | 136.4* | 110.6* | 147.3* | 176.7* | 204.4* |
| Of which: | | | | | |
| France | 17.7* | 13.4* | 19.6* | 40.4* | 46.7* |
| Italy | 22.9* | 16.8* | 11.3* | 11.3* | 9.7* |
| Japan | 4.0* | 6.6* | 20.8* | 23.8* | 23.7* |
| United Kingdom | 39.2* | 43.7* | 58.4* | 49.9* | 65.8* |
| West Germany | 41.6* | 18.3* | 24.8* | 12.1* | 25.5* |

* *An asterisk indicates that the data are unclassified.*



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Table 58

Direction of Chinese Communist Foreign Trade

Million US $ [a]

| | | Total Trade | Communist Countries | | | | Free World Countries | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Total | Eastern Eurc, | USSR | Other [b] | Total | Developed Countries | Less Developed Countries | Hong Kong and Macao |
| 1958..... | Exports..... | 1,910 | 1,250 | 260 | 880 | 110 | 660 | *N.A.* | *N.A.* | *N.A.* |
| | Imports..... | 1,825 | 1,100 | 410 | 635 | 55 | 725 | *N.A.* | *N.A.* | *N.A.* |
| 1959..... | Exports..... | 2,205 | 1,595 | 330 | 1,100 | 165 | 615 | *N.A.* | *N.A.* | *N.A.* |
| | Imports..... | 2,060 | 1,365 | 325 | 955 | 85 | 695 | *N.A.* | *N.A.* | *N.A.* |
| 1960..... | Exports..... | 1,945 | 1,320 | 295 | 850 | 175 | 625 | 240 | 245 | 140 |
| | Imports..... | 2,030 | 1,285 | 335 | 815 | 135 | 745 | 505 | 235 | *Negl.* |
| 1961..... | Exports..... | 1,525 | 960 | 140 | 550 | 270 | 560 | 220 | 225 | 115 |
| | Imports..... | 1,495 | 715 | 160 | 365 | 190 | 775 | 600 | 175 | *Negl.* |
| 1962..... | Exports..... | 1,525 | 915 | 105 | 515 | 295 | 605 | 210 | 260 | 140 |
| | Imports..... | 1,150 | 490 | 65 | 235 | 190 | 660 | 475 | 185 | *Negl.* |
| 1963..... | Exports..... | 1,570 | 820 | 115 | 415 | 290 | 755 | 265 | 305 | 185 |
| | Imports..... | 1,200 | 430 | 50 | 185 | 195 | 770 | 580 | 100 | *Negl.* |
| 1964..... | Exports..... | 1,750 | 710 | 100 | 315 | 295 | 1,040 | 415 | 350 | 270 |
| | Imports..... | 1,470 | 390 | 60 | 135 | 195 | 1,080 | 685 | 395 | *Negl.* |
| 1965..... | Exports..... | 1,995 | 650 | 95 | 225 | 330 | 1,345 | 560 | 425 | 355 |
| | Imports..... | 1,855 | 515 | 105 | 190 | 220 | 1,340 | 920 | 415 | 5 |
| 1966..... | Exports..... | 2,170 | 595 | 130 | 145 | 320 | 1,575 | 705 | 470 | 400 |
| | Imports..... | 2,035 | 505 | 140 | 175 | 190 | 1,530 | 1,140 | 385 | 5 |
| 1967..... | Exports..... | 1,915 | 460 | 110 | 55 | 295 | 1,455 | 635 | 510 | 310 |
| | Imports..... | 1,945 | 340 | 135 | 50 | 155 | 1,605 | 1,345 | 260 | *Negl.* |
| 1968..... | Exports..... | 1,890 | 460 | 140 | 35 | 285 | 1,430 | 620 | 485 | 325 |
| | Imports..... | 1,820 | 340 | 135 | 60 | 145 | 1,480 | 1,250 | 230 | *Negl.* |
| 1969 [c]..... | Exports..... | 2,060 | 435 | 140 | 35 | 265 | 1,625 | 685 | 590 | 340 |
| | Imports..... | 1,825 | 300 | 140 | 30 | 130 | 1,525 | 1,255 | 270 | *Negl.* |

[a] Rounded to the nearest US $5 million.
[b] Other Communist countries include Yugoslavia, Mongolia, Albania in 1961–69, and Cuba in 1960–69. Albania is included in the East European Communist countries before 1961, and Cuba is included in the less developed countries of the Free World before 1960.
[c] Preliminary.

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Table 59

Chinese Communist Exports, by Commodity [a]

Million US $

| | 1966 | | | | 1967 | | | | 1968 [c] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Total | Free World | Communist Countries: USSR | Communist Countries: Other | Total | Free World | Communist Countries: USSR | Communist Countries: Other | Total | Free World | Communist Countries: USSR | Communist Countries: Othe |
| Total..... | 2,170 | 1,575 | 145 | 450 | 1,915 | 1,455 | 55 | 405 | 1,890 | 1,430 | 35 | 425 |
| Foodstuffs..... | 595 | 465 | 65 | 65 | 505 | 435 | 15 | 55 | 525 | 450 | 10 | 65 |
| Animals, meat, and fish..... | 225 | 155 | 45 | 25 | 170 | 150 | *Negl.* | 20 | 175 | 150 | 0 | 25 |
| Grains..... | 150 | 120 | 0 | 30 | 140 | 115 | 0 | 25 | 125 | 100 | 0 | 25 |
| Fruit and vegetables..... | 115 | 90 | 15 | 10 | 125 | 105 | 10 | 10 | 140 | 115 | 10 | 15 |
| Crude materials, fuels, and edible oils..... | 480 | 405 | 15 | 60 | 435 | 380 | 5 | 50 | 405 | 350 | *Negl.* | 55 |
| Oilseeds..... | 90 | 90 | 0 | 0 | 90 | 90 | 0 | 0 | 85 | 85 | 0 | 0 |
| Textile fibers..... | 105 | 90 | 5 | 10 | 100 | 90 | 0 | 10 | 90 | 80 | 0 | 10 |
| Crude animal materials..... | 90 | 60 | 5 | 25 | 75 | 50 | 0 | 25 | 95 | 65 | 0 | 30 |
| Chemicals..... | 90 | 65 | 5 | 20 | 85 | 60 | 5 | 20 | 85 | 60 | 5 | 20 |
| Manufactures..... | 900 | 535 | 60 | 305 | 830 | 520 | 30 | 280 | 815 | 510 | 20 | 285 |
| Textile yarn and fabrics..... | 280 | 200 | *Negl.* | 80 | 245 | 180 | 5 | 60 | 260 | 190 | 5 | 65 |
| Clothing..... | 190 | 50 | 45 | 95 | 160 | 50 | 25 | 85 | 170 | 70 | 15 | 85 |
| Iron and steel..... | 90 | 60 | 0 | 30 | 70 | 40 | 0 | 30 | 25 | *Negl.* | 0 | 25 |
| Nonferrous metals..... | 40 | 30 | *Negl.* | 10 | 35 | 25 | *Negl.* | 10 | 25 | 15 | *Negl.* | 10 |
| Other..... | 105 | 105 | 0 | 0 | 60 | 60 | 0 | 0 | 60 | 60 | 0 | 0 |

[a] Free World estimates are based on reasonably complete statistics and adjusted to show Chinese exports f.o.b. Data for the USSR are drawn from official Soviet statist Estimates for other Communist countries are based on fragmentary reports and trade agreements.
[b] Rounded to the nearest $5 million.
[c] Preliminary.

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ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 60

Chinese Communist Imports, by Commodity [a]

Million US $ [b]

| | 1966 | | | | 1967 | | | | 1968 [c] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Communist Countries | | | | Communist Countries | | | | Communist Countries | |
| | Total | Free World | USSR | Other | Total | Free World | USSR | Other | Total | Free World | USSR | Other |
| Total | 2,035 | 1,530 | 175 | 330 | 1,945 | 1,605 | 50 | 290 | 1,820 | 1,480 | 60 | 280 |
| Foodstuffs | 510 | 430 | 0 | 80 | 380 | 305 | 0 | 75 | 410 | 335 | 0 | 75 |
| Grain | 400 | 400 | 0 | 0 | 295 | 295 | 0 | 0 | 305 | 305 | 0 | 0 |
| Crude materials, fuels, and edible oils | 340 | 250 | 30 | 60 | 320 | 255 | 5 | 60 | 300 | 235 | 5 | 60 |
| Rubber | 85 | 85 | 0 | 0 | 70 | 70 | 0 | 0 | 80 | 80 | 0 | 0 |
| Textile fibers | 150 | 150 | 0 | 0 | 150 | 150 | 0 | 0 | 100 | 100 | 0 | 0 |
| Chemicals | 250 | 225 | 15 | 10 | 285 | 280 | *Negl.* | 5 | 315 | 310 | *Negl.* | 5 |
| Fertilizer | 150 | 150 | 0 | 0 | 200 | 200 | 0 | 0 | 200 | 200 | 0 | 0 |
| Manufactures | 910 | 625 | 105 | 180 | 940 | 760 | 40 | 140 | 775 | 590 | 50 | 135 |
| Textile yarn and fabrics | 35 | 35 | 0 | 0 | 45 | 45 | 0 | 0 | 40 | 40 | 0 | 0 |
| Iron and steel | 225 | 200 | 10 | 15 | 325 | 295 | 10 | 15 | 265 | 240 | 10 | 15 |
| Nonferrous metals | 55 | 50 | 5 | 0 | 85 | 75 | 5 | 5 | 125 | 115 | 5 | 5 |
| Machinery and equipment | 490 | 285 | 85 | 120 | 380 | 245 | 25 | 110 | 275 | 135 | 35 | 105 |
| Other | 25 | 0 | 25 | 0 | 20 | 5 | 5 | 10 | 20 | 10 | 5 | 5 |

[a] Free World estimates are based on reasonably complete statistics and adjusted to show Chinese imports c.i.f. Data for the USSR are drawn from official Soviet statistics. Estimates for other Communist countries are based on fragmentary reports and trade agreements.

[b] Rounded to the nearest $5 million.

[c] Preliminary.

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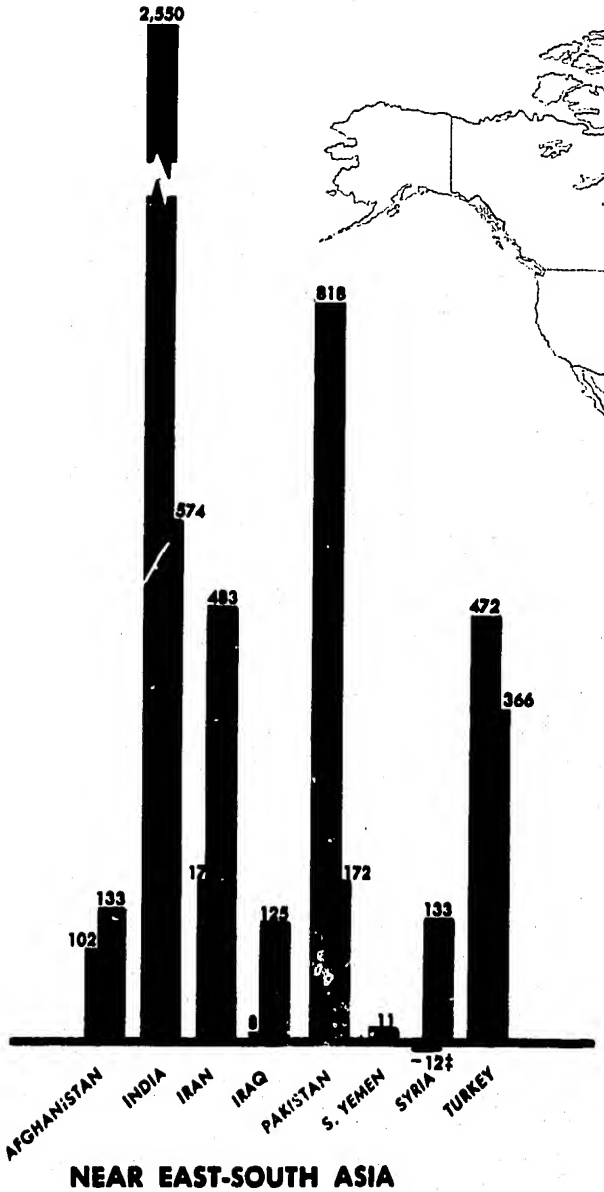
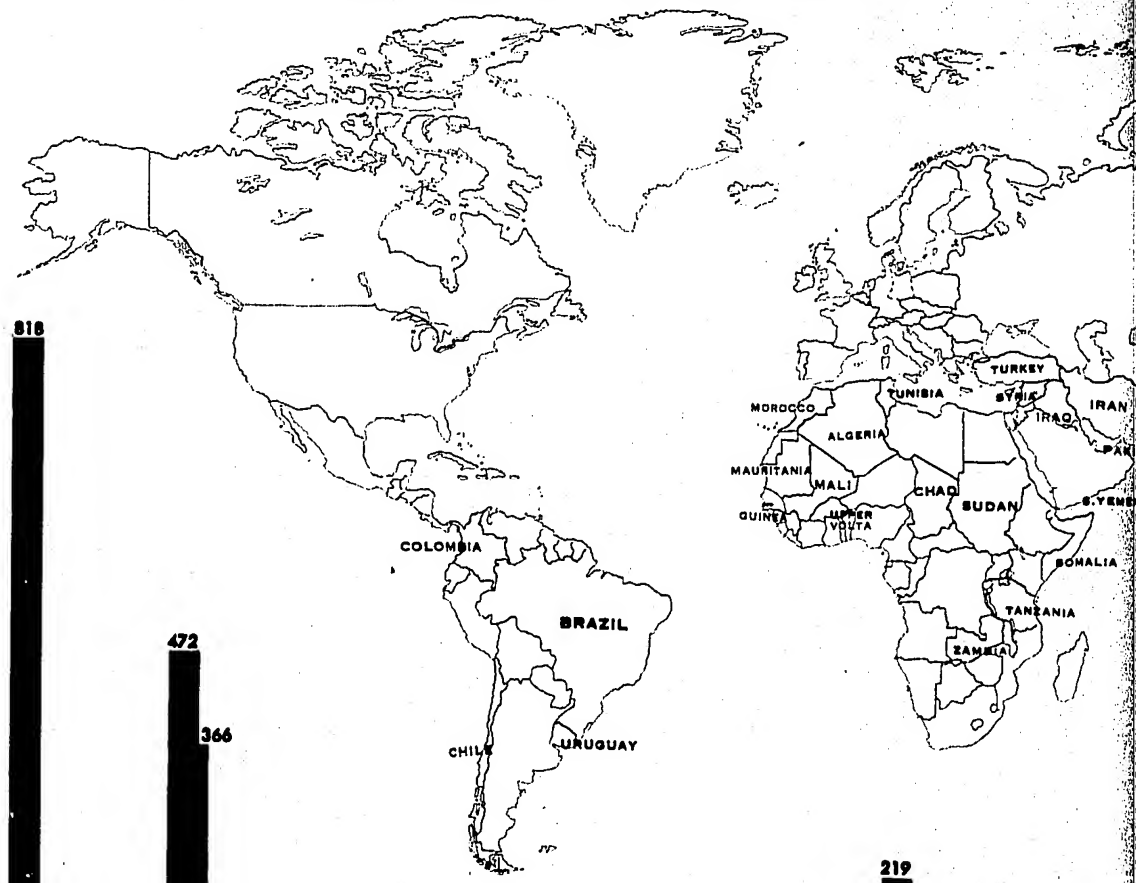
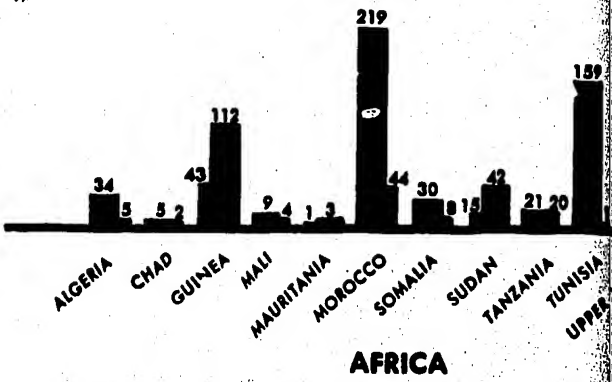
SECRET

# US AND SOVIET ECONOMIC AID EXTENDED TO LESS DEVELOPED COUNTRIES OF THE FREE WORLD




NEAR EAST-SOUTH ASIA




AFRICA

† Except for Southern Yemen, these data include only those less developed countries to which both US aid and Soviet aid were extended during 1966-69 (all those to which Soviet aid was extended but not all to which US aid was extended). US data are for 1 July 1966 to 1 July 1969.

†† Including economic and technical assistance and defen obligations under the Foreign Assistance Act and antece lation, authorized Inter-American Development Bank loa funds earmarked for shipments of surplus agricultura authorized long-term Export-Import Bank loans, and U tions to international organizations.

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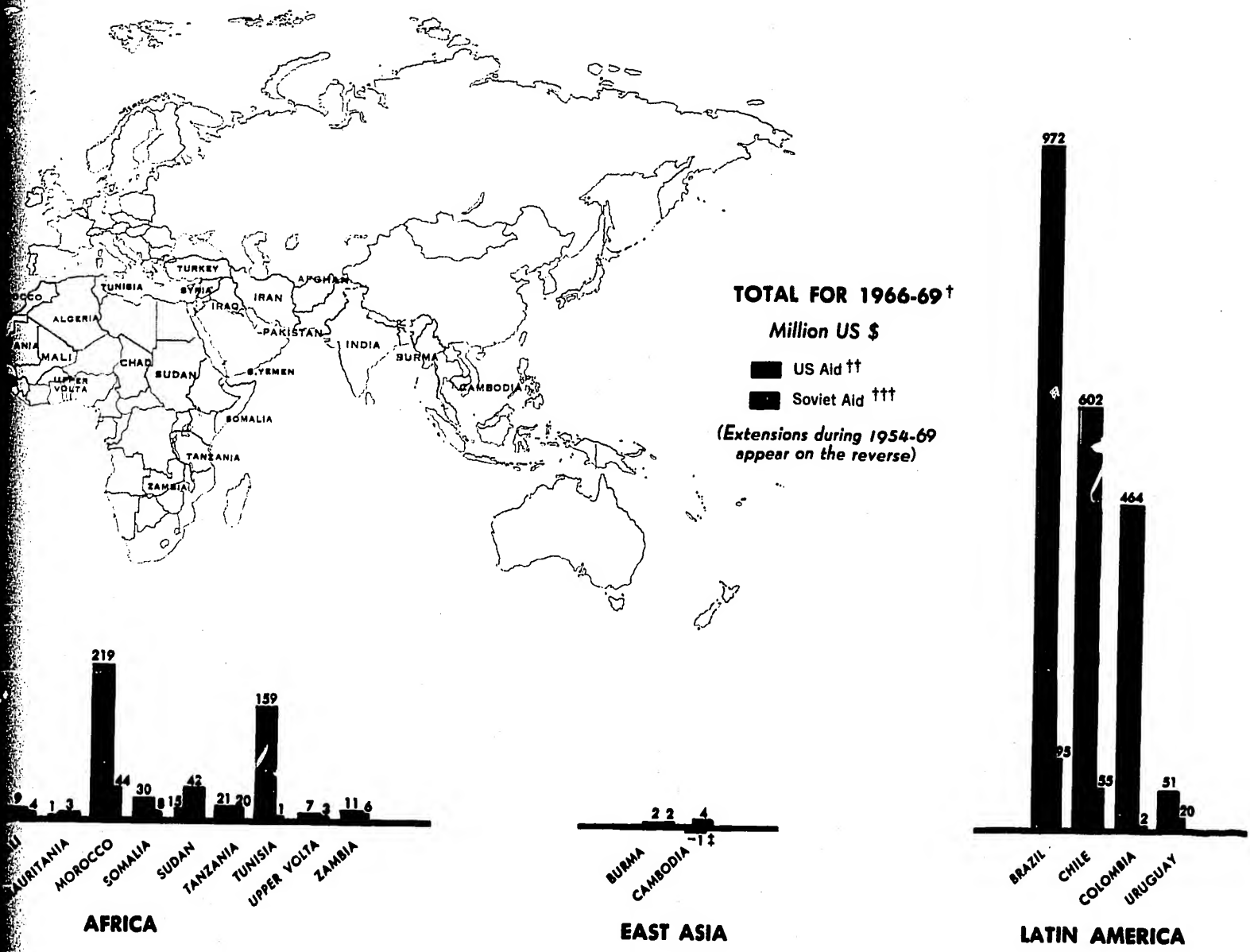
# D TO WORLD

Figure 11




ic and technical assistance and defense support he Foreign Assistance Act and antecedent legis- Inter-American Development Bank loans, PL 480 or shipments of surplus agricultural products, n Export-Import Bank loans, and US contribu- al organizations.

††† Data are for extensions, not actual drawings, and include credits and grants.

‡ A minus sign indicates deobligations in excess of new obligations.

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Figure 11 (Continued)

# ECONOMIC EXTENSIONS DURING 1954-69 †

*Million US $*

| | US AID †† | | | | | SOVIET AID ††† | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1954-69 | 1969 | 1968 | 1967 | 1966 | 1954-69 | 1969 | 1968 | 1967 | 1966 |
| **Africa** | 2,595.8 | 188.5 | 174.3 | 240.8 | 236.3 | 1,056.4 | 134.8 | 5.4 | 26.2 | 83.4 |
| Algeria | 185.3 | 2.1 | −0.2‡ | 13.2 | 19.2 | 237.5 | | | | 5.4 |
| Cameroon | 32.7 | 3.7 | 0.6 | 1.4 | 2.1 | 7.8 | | | | |
| Chad | 8.7 | 0.8 | 1.0 | 1.9 | 1.2 | 2.2 | | 2.2 | | |
| Congo (B) | 2.1 | Negl. | | −0.2‡ | −0.2‡ | 13.9 | | | | |
| Ethiopia | 222.3 | −0.3‡ | 8.8 | 18.2 | 52.1 | 101.8 | | | | |
| Ghana | 267.2 | 38.6 | 28.8 | 36.7 | 9.3 | 93.0 | | | | |
| Guinea | 106.9 | 33.3 | 4.2 | −0.5‡ | 6.2 | 199.7 | 92.2 | | 16.7 | 2.7 |
| Kenya | 66.2 | 3.6 | 4.4 | 4.0 | 19.3 | 48.7 | | | | |
| Mali | 22.5 | 3.8 | 0.2 | 2.7 | 2.2 | 63.7 | 0.8 | | | 3.2 |
| Mauritania | 3.3 | Negl. | −Negl.‡ | 0.3 | 0.2 | 3.3 | | | 3.3 | |
| Morocco | 692.4 | 44.1 | 76.3 | 41.0 | 57.9 | 43.6 | | | | 43.6 |
| Senegal | 35.3 | 3.6 | 3.4 | 6.8 | 5.7 | 6.7 | | | | |
| Sierra Leone | 43.1 | 4.2 | 3.7 | 3.6 | 5.2 | 28.0 | | | | |
| Somalia | 76.8 | 3.4 | 5.2 | 16.1 | 5.0 | 63.2 | | | | 8.5 |
| Sudan | 102.6 | −3.1‡ | −19.3‡ | 19.6 | 18.0 | 64.8 | 41.8 | | | |
| Tanzania | 65.0 | 3.1 | 5.5 | 6.4 | 6.3 | 20.0 | | | | 20.0 |
| Tunisia | 596.4 | 38.6 | 46.1 | 53.7 | 20.5 | 34.1 | | | 0.6 | |
| Uganda | 36.0 | 5.5 | 2.5 | 7.0 | 3.8 | 15.6 | | | | |
| Upper Volta | 12.6 | 1.0 | 2.0 | 2.9 | 1.3 | 3.2 | | 3.2 | | |
| Zambia | 18.4 | 2.5 | 1.1 | 6.0 | 1.0 | 5.6 | | | 5.6 | |
| **East Asia** | 1,731.6 | 296.2 | 165.3 | 112.6 | 76.1 | 374.0 | 1.7 | | | 3.5 |
| Burma | 72.4 | 0.9 | 0.3 | 0.5 | 0.5 | 15.4 | 1.7 | | | |
| Cambodia | 254.2 | −0.2‡ | −0.3‡ | −0.3‡ | −0.4‡ | 24.9 | | | | 3.5 |
| Indonesia | 763.6 | 245.4 | 102.6 | 57.5 | 21.2 | 332.2 | | | | |
| Laos‡‡ | 641.1 | 50.1 | 62.7 | 54.9 | 54.8 | 1.5 | | | | |
| **Latin America** | 6,150.4 | 330.6 | 607.3 | 694.9 | 577.1 | 216.6 | 20.0 | 2.5 | 54.8 | 95.0 |
| Argentina | 657.2 | 59.3 | 32.1 | 1.3 | 27.7 | 44.3 | | | | |
| Brazil | 2,861.4 | 31.2 | 327.4 | 268.8 | 344.8 | 95.0 | | | | 95.0 |
| Chile | 1,449.5 | 107.8 | 105.9 | 284.4 | 104.3 | 54.8 | | | 54.8 | |
| Colombia | 1,067.1 | 128.6 | 104.6 | 137.2 | 93.6 | 2.5 | | 2.5 | | |
| Uruguay | 115.2 | 3.7 | 37.3 | 3.2 | 6.7 | 20.0 | 20.0 | | | |
| **Near East-South Asia** | 17,503.0 | 706.4 | 1,154.1 | 1,159.5 | 1,369.5 | 5,190.8 | 317.5 | 371.4 | 209.4 | 1,099.1 |
| Afghanistan | 379.6 | 21.9 | 15.2 | 31.4 | 33.7 | 697.4 | | 126.7 | 5.0 | 0.9 |
| Ceylon | 165.2 | 29.5 | 27.0 | 10.4 | 14.0 | 30.6 | | | | |
| Greece | 543.2 | | 0.7 | 1.7 | −0.7‡ | 7.7 | | | | |
| India | 7,913.0 | 449.4 | 616.9 | 582.6 | 901.5 | 1,611.8 | | | | 574.2 |
| Iran | 929.4 | 7.5 | 41.1 | 105.9 | 20.6 | 523.9 | | 177.8 | | 305.5 |
| Iraq | 51.8 | 0.3 | Negl. | 2.7 | 5.2 | 309.0 | 120.7 | | 4.4 | |
| Jordan | 581.8 | 11.1 | 18.5 | 45.1 | 44.4 | N.A. | N.A. | | | |
| Nepal | 136.8 | 11.9 | 11.1 | 7.1 | 21.1 | 20.8 | | | | |
| Pakistan | 3,592.8 | 84.2 | 357.6 | 234.1 | 141.9 | 266.5 | 20.2 | 66.9 | | 85.2 |
| Southern Yemen | | | | | | 10.6 | 10.6 | | | |
| Syria | 60.0 | 0.3 | −0.7‡ | −11.7‡ | 0.4 | 233.3 | | | | 133.3 |
| Turkey | 2,227.1 | 90.6 | 70.0 | 151.6 | 159.6 | 371.2 | 166.0 | | 200.0 | |
| United Arab Republic | 879.7 | −0.3‡ | −2.1‡ | −3.5‡ | 25.1 | 1,010.0 | | | | |
| Yemen | 42.6 | −Negl.‡ | −1.2‡ | 2.1 | [illegible] | 98.0 | | | | |
| **Total** | 27,980.8 | 1,521.7 | 2,101.0 | 2,207.8 | 2,25[illegible] | 6,837.8 | 474.0 | 379.3 | 290.4 | 1,281.0 |

† Except for Southern Yemen, these data include only those less developed countries to which both US aid and Soviet aid were extended during 1954-69 (all those to which Soviet aid was extended but not all to which US aid was extended). US data are for 1 July 1954 to 1 July 1969.

†† Including economic and technical assistance and defense support obligations under the Foreign Assistance Act and antecedent legislation, authorized Inter-American Development Bank loans, PL 480 funds earmarked for shipments of surplus agricultural products, authorized long-term Export-Import Bank loans, and US contributions to international organizations.

††† Data are for extensions, not actual drawings, and include credits and grants.

‡ A minus sign indicates deobligations in excess of new obligations.

‡‡ Credits extended after the formation of the Laos Coalition Government under the Geneva Accord of July 1962.



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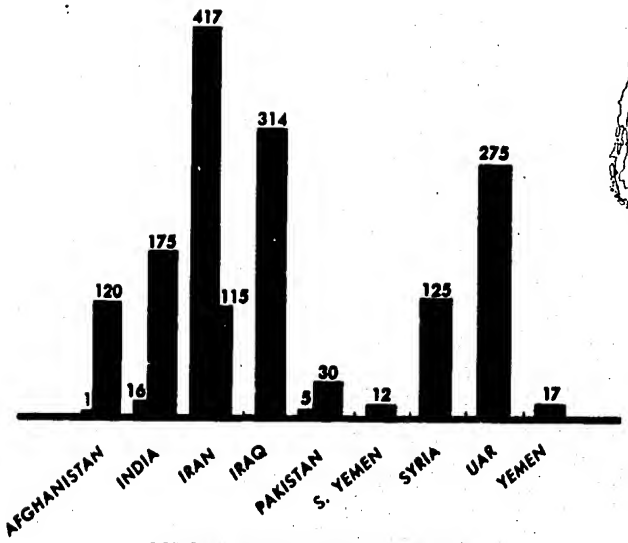
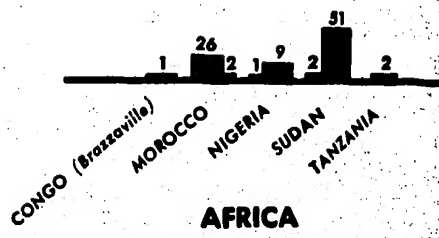
# US AND SOVIET MILITARY AID TO LESS DEVELOPED COUNTRIES OF THE FREE WORLD




**NEAR EAST-SOUTH ASIA**

† Including only those less developed countries of the Free World where Soviet aid has been extended during 1966-69 but not all those countries receiving US aid. US data are for 1 July 1966 to 1 July 1969.




**AFRICA**

†† Data represent deliveries of militar equipment, supplies, and services under th Military Assistance Program and antecedent legislation.

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# Y AID TO
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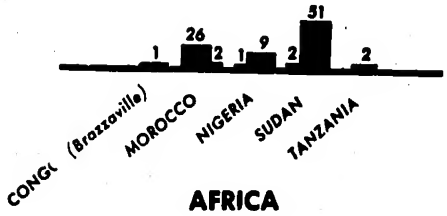
Figure 12

**TOTAL FOR 1966-69†**
*Million US $*

US Aid ††
Soviet Aid †††

*(Extensions during 1956-69 appear on the reverse)*




**AFRICA**

**EAST ASIA**

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†† Data represent deliveries of military equipment, supplies, and services under the Military Assistance Program and antecedent legislation.

††† Data are for extensions, not actual drawings, and include credits and grants.

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Figure 12 (Continued)

# MILITARY AID DURING 1956-69†

*Million US $*

| | US AID †† | | | | | SOVIET AID ††† | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1956-69 | 1969 | 1968 | 1967 | 1966 | 1956-69 | 1969 | 1968 | 1967 | 1966 |
| Africa | 52.3 | 5.6 | 7.7 | 13.2 | 5.0 | 392 | | 61 | | 4 |
| Algeria | | | | | | 245 | | N.A. | | |
| Congo (B) | | | | | | 3 | | 1 | | |
| Ghana | 0.1 | Negl. | Negl. | | | 10 | | | | |
| Guinea | 0.9 | | | 0.2 | 0.7 | 10 | | | | |
| Mali | 2.8 | | | 0.7 | 0.5 | 4 | | | | |
| Morocco | 44.8 | 5.4 | 7.5 | 10.5 | 3.1 | 13 | | | | 2 |
| Nigeria | 1.5 | Negl. | 0.2 | 0.2 | 0.4 | 9 | | 9 | | |
| Somalia | | | | | | 35 | | | | |
| Sudan | 2.2 | 0.2 | Negl. | 1.6 | 0.3 | 51 | | 51 | | |
| Tanzania | | | | | | 2 | | | | 2 |
| Uganda | | | | | | 10 | | | | |
| East Asia | 153.8 | 3.8 | 3.1 | 0.7 | 0.7 | 1,104 | | 6 | | 2 |
| Cambodia | 87.1 | | | | | 12 | | 6 | | 2 |
| Indonesia | 66.7 | 3.8 | 3.1 | 0.7 | 0.7 | 1,092 | | | | |
| Near East-South Asia | 1,772.5 | 166.8 | 90.9 | 80.8 | 101.2 | 3,810 | 140 | 192 | 535 | 316 |
| Afghanistan | 3.8 | 0.3 | 0.3 | 0.1 | 0.2 | 346 | | | 110 | 10 |
| Cyprus | | | | | | 26 | | | | |
| India | 99.7 | 1.6 | 2.5 | 5.4 | 6.9 | 645 | 33 | 42 | | 100 |
| Iran | 962.3 | 162.6 | 85.8 | 75.2 | 93.5 | 115 | 5 | | 110 | |
| Iraq | 41.3 | | Negl. | 0.1 | 0.2 | 697 | 45 | 8 | 80 | 181 |
| Pakistan | 665.3 | 2.3 | 2.3 | Negl. | 0.4 | 30 | | 30 | | |
| Southern Yemen | | | | | | 12 | 5 | 7 | | |
| Syria | 0.1 | | Negl. | Negl. | Negl. | 427 | | 25 | 75 | 25 |
| United Arab Republic | | | | | | 1,435 | 50 | 75 | 150 | |
| Yemen | Negl. | | | | | 77 | 2 | 5 | 10 | |
| Total | 1,978.6 | 176.2 | 101.7 | 94.7 | 106.9 | 5,306 | 140 | 259 | 535 | 322 |

† Including only those less developed countries of the Free World where Soviet aid has been extended since the inception of the USSR's aid program in 1956, but not all those countries receiving US aid. US data are for 1 July 1956 to 1 July 1969.

†† Data represent deliveries of military equipment, supplies, and services under the Military Assistance Program and antecedent legislation.

††† Data are for extensions, not actual drawings, and include credits and grants. Approximately 83% of Soviet military aid extensions have been drawn by the less developed countries; Indonesia, Afghanistan, India, and Iraq account for four-fifths of the aid not yet drawn.

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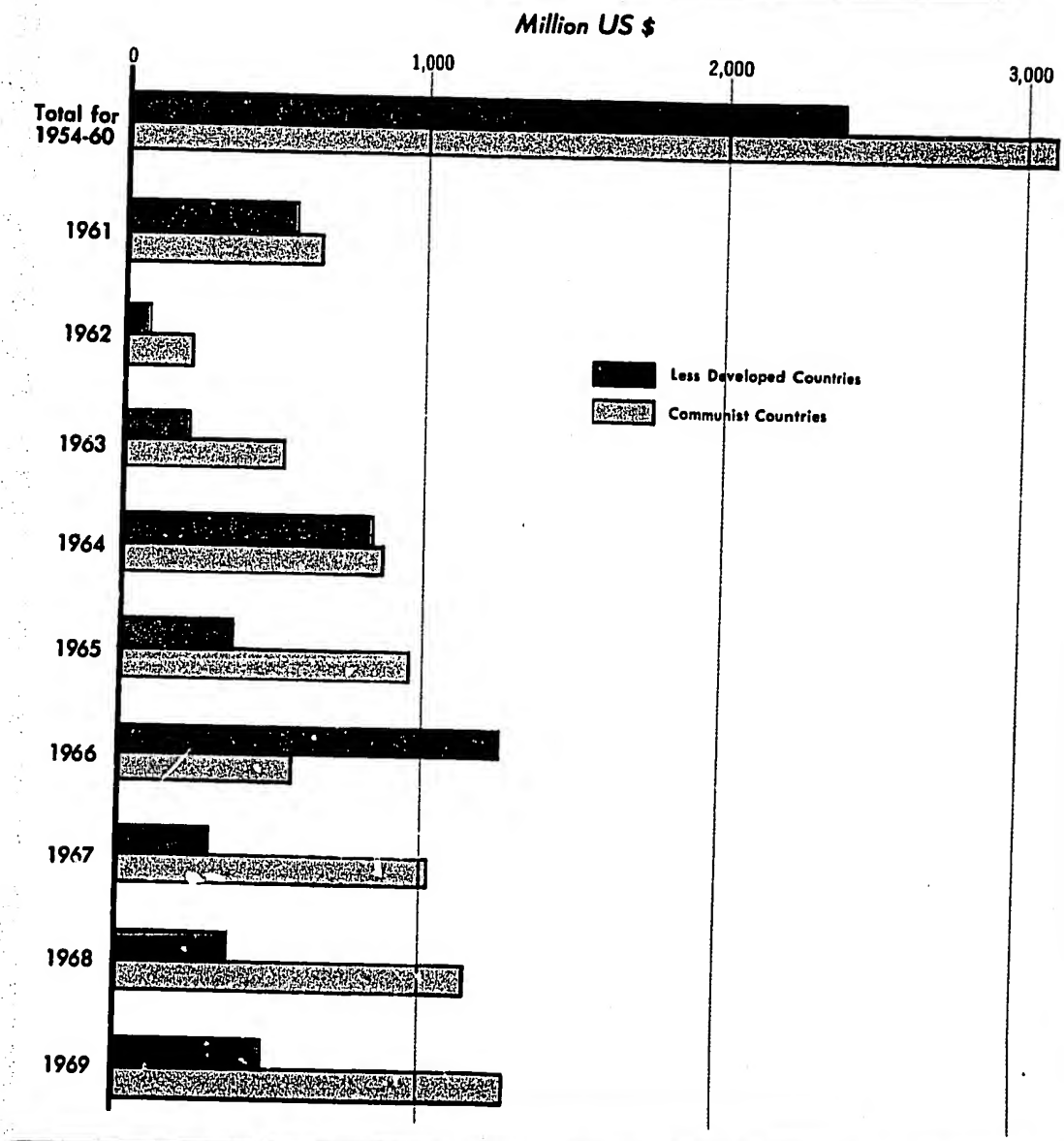
Figure 13

# SOVIET ECONOMIC AID EXTENDED

| | MILLION US $ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Total for 1954-60 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | Total |
| Less Developed Countries | 2,379 | 551 | 70 | 217 | 825 | 371 | 1,281 | 290 | 379 | 474 | 6,838 |
| Communist Countries | 3,109† | 659 | 225 | 515 | 871 | 954 | 577 | 1,050 | 1,180 | 1,311 | 10,451 |




† Excluding data for Eastern Europe during 1954-55 because war reparations and other assets and privileged arrangements obtained by the USSR from these countries created a heavy net flow of capital toward the USSR during these years.

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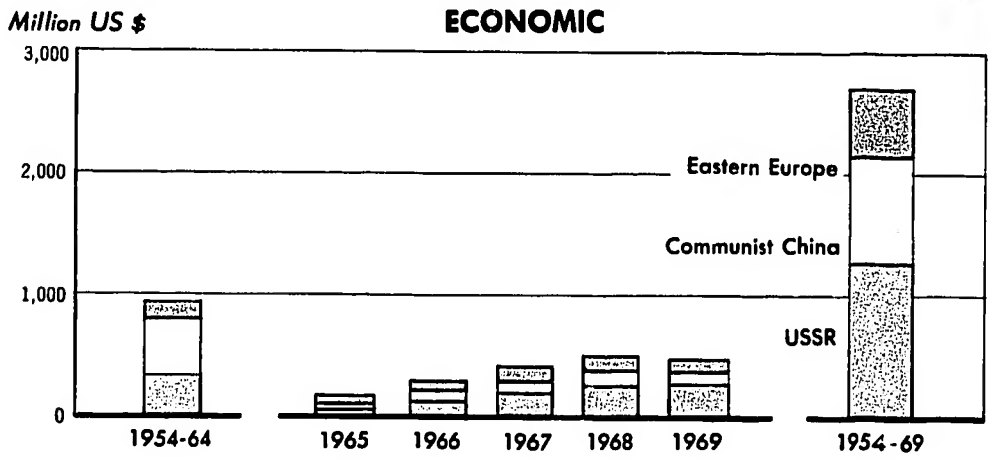
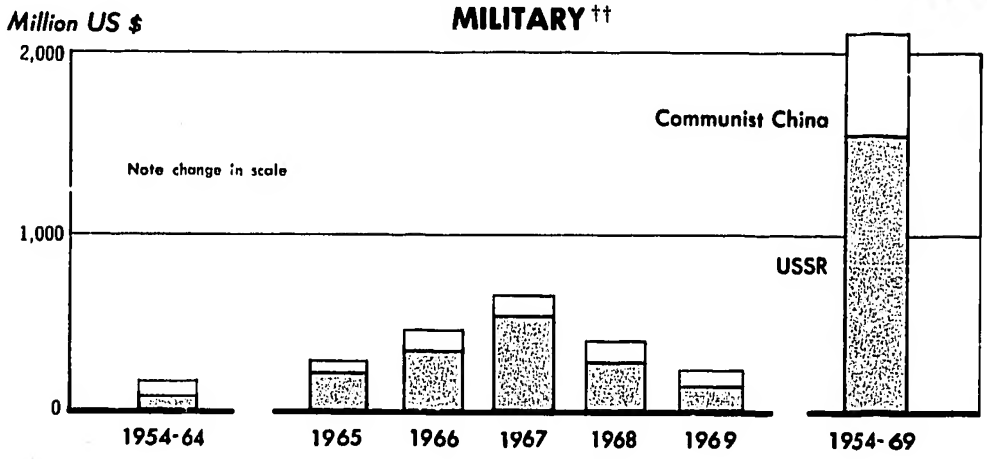
Figure 14

# COMMUNIST ECONOMIC AND MILITARY AID DELIVERED TO NORTH VIETNAM†

| | MILLION US $ | | | | | | |
|---|---|---|---|---|---|---|---|
| | 1954-64 | 1965 | 1966 | 1967 | 1968 | 1969 | 1954-69 |
| ECONOMIC DELIVERIES | 950 | 150 | 275 | 380 | 480 | 470 | 2,705 |
| USSR | 365 | 85 | 150 | 200 | 240 | 250 | 1,290 |
| COMMUNIST CHINA | 455 | 50 | 75 | 80 | 100 | 90 | 850 |
| EASTERN EUROPE | 130 | 15 | 50 | 100 | 140 | 130 | 565 |




| | MILLION US $ | | | | | | |
|---|---|---|---|---|---|---|---|
| | 1954-64 | 1965 | 1966 | 1967 | 1968 | 1969 | 1954-69 |
| MILITARY DELIVERIES†† | 140 | 270 | 455 | 650 | 390 | 225 | 2,135 ††† |
| USSR | 70 | 210 | 360 | 505 | 290 | 120 | 1,555 |
| COMMUNIST CHINA | 70 | 60 | 95 | 145 | 100 | 105 | 575 |
| EASTERN EUROPE | Negl. | Negl. | Negl. | Negl. | Negl. | Negl. | 5 ††† |
| NORTH KOREA | | | Negl. | Negl. | Negl. | Negl. | Negl. |




† Data are expressed in Soviet foreign trade prices.

†† Data refer exclusively to combat materiel; excluding aid designed for war-support purposes.

††† Including cumulative value of deliveries from Eastern Europe during 1954-69 estimated at $5 million.

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Table 62

Chinese Communist Military Aid Delivered [a] to North Vietnam

| | 1966 | | 1967 | | 1968 | | 1969 | |
|---|---|---|---|---|---|---|---|---|
| | Quantity (Units) | Soviet Foreign Trade Prices (Million US $) | Quantity (Units) | Soviet Foreign Trade Prices (Million US $) | Quantity (Units) | Soviet Foreign Trade Prices (Million US $) | Quantity (Units) | Soviet Foreign Trade Prices (Million US $) |
| Total value | ..... | 95 | ..... | 145 | ..... | 100 | ..... | 105 |
| Aircraft | ..... | 0 | ..... | 8 | ..... | 0 | ..... | 11 |
| MIG–19 jet fighters | ..... | ..... | ..... | ..... | ..... | ..... | 32 | 11 |
| MIG–15/17 jet fighters | ..... | ..... | 61 | 8 | ..... | ..... | ..... | ..... |
| Naval craft | ..... | 2 | ..... | 4 | ..... | 1 | ..... | 0 |
| Shanghai-class fast patrol boats | 2 | 2 | ..... | ..... | ..... | ..... | ..... | ..... |
| P–6-class motor torpedo boats | ..... | ..... | 6 | 4 | ..... | ..... | ..... | ..... |
| Huchwan-class hydrofoil motor torpedo boat | ..... | ..... | ..... | ..... | 1 | 1 | ..... | ..... |
| Artillery | ..... | 1 | ..... | 8 | ..... | 3 | ..... | 5 |
| 57-mm antiaircraft artillery | 100 | 4 | 100 | 4 | 30 | 1 | 35 | 1 |
| 37-mm antiaircraft artillery | ..... | ..... | ..... | ..... | 45 | *Negl.* | 210 | 2 |
| 14.5-mm antiaircraft artillery | ..... | ..... | 120 | 1 | 25 | *Negl.* | 120 | 1 |
| Field artillery (76-mm) | 40 | *Negl.* | 475 | 3 | 80 | 1 | 110 | 1 |
| Radar | 112 | 9 | 67 | 7 | 50 | 5 | 22 | 2 |
| Trucks and other vehicles | 400 | 2 | 700 | 4 | 400 | 2 | 300 | 1 |
| Small arms and other infantry weapons | ..... | 35 | ..... | 22 | ..... | 29 | ..... | 47 |
| Ammunition (metric tons) | 10,000 | 41 | 23,000 | 94 | 15,000 | 62 | 9,000 | 37 |

[a] Data refer exclusively to combat materiel, excluding aid designed for war-support purposes.



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Table 61

Soviet Military Aid Delivered [a] to North Vietnam

| | 1966 | | 1967 | | 1968 | | 1969 | |
|---|---|---|---|---|---|---|---|---|
| | Quantity (Units) | Soviet Foreign Trade Prices (Million US $) | Quantity (Units) | Soviet Foreign Trade Prices (Million US $) | Quantity (Units) | Soviet Foreign Trade Prices (Million US $) | Quantity (Units) | Soviet Foreign Trade Prices (Million US $) |
| Total value | ..... | 360 | ..... | 505 | ..... | 290 | ..... | 120 |
| SAM missile systems | ..... | 77 | ..... | 142 | ..... | 78 | ..... | 6 |
| Firing battalions [b] | 10 | 44 | 5 | 22 | 10 | 44 | ..... | ..... |
| Replacement missiles [c] | 1,100 | 33 | 4,000 | 120 | 1,135 | 34 | 200 | 6 |
| Aircraft | ..... | 45 | ..... | 16 | ..... | 24 | ..... | 51 |
| MIG-21 jet fighters | 26 | 21 | 20 | 16 | 23 | 21 | 55 | 50 |
| MIG-15/17 jet fighters | 42 | 6 | ..... | ..... | ..... | ..... | ..... | ..... |
| MI-6 helicopters | 6 | 12 | ..... | ..... | ..... | ..... | ..... | ..... |
| MI-4 helicopters | 7 | 1 | ..... | ..... | 3 | 1 | ..... | ..... |
| AN-24 medium transports | 3 | 3 | ..... | ..... | ..... | ..... | 1 | 1 |
| IL-18 heavy transports | 1 | 2 | ..... | ..... | 1 | 2 | ..... | ..... |
| Naval craft | ..... | 0 | ..... | 0 | ..... | Negl. | ..... | Negl. |
| Poluchat-I-class motor gunboats | ..... | ..... | ..... | ..... | 2 | *Negl.* | ..... | ..... |
| Armed cargo carriers | ..... | ..... | ..... | ..... | ..... | ..... | 10 | *Negl.* |
| LCU landing craft | ..... | ..... | ..... | ..... | ..... | ..... | 5 | *Negl.* |
| Armor | ..... | Negl. | ..... | 5 | ..... | Negl. | ..... | 2 |
| T-54 medium tanks | ..... | ..... | 40 | 3 | ..... | ..... | ..... | ..... |
| PT-76 amphibious tanks | 5 | *Negl.* | 10 | 1 | ..... | ..... | 40 | 2 |
| BTR-40 armored personnel carriers | 10 | *Negl.* | 40 | 1 | ..... | ..... | 14 | *Negl.* |
| BTR-50 armored personnel carriers | ..... | ..... | 3 | *Negl.* | ..... | ..... | ..... | ..... |
| JSU-122 assault guns | ..... | ..... | ..... | ..... | ..... | ..... | 3 | *Negl.* |
| SU-76 assault guns | ..... | ..... | 30 | *Negl.* | ..... | *Negl.* | ..... | ..... |
| Artillery | ..... | 10 | ..... | 53 | ..... | 6 | ..... | 7 |
| 100-mm antiaircraft artillery | 100 | 5 | ..... | ..... | ..... | ..... | ..... | ..... |
| 85-mm antiaircraft artillery | 55 | 2 | 465 | 19 | 20 | 1 | ..... | ..... |
| 57-mm antiaircraft artillery | 735 | 25 | 590 | 21 | 55 | 2 | 65 | 2 |
| 37-mm antiaircraft artillery | 1,850 | 17 | 850 | 8 | 95 | 1 | 350 | 3 |
| 14.5-mm antiaircraft artillery | 50 | *Negl.* | 100 | *Negl.* | 40 | *Negl.* | 135 | 1 |
| Field artillery (75-152-mm) | 40 | 1 | 325 | 5 | 135 | 2 | 40 | 1 |
| Radar | 160 | 17 | 89 | 9 | 120 | 12 | 35 | 4 |
| Trucks and other vehicles | 400 | 2 | 850 | 4 | 430 | 2 | 1,200 | 6 |
| Small arms and other infantry weapons | ..... | 3 | ..... | 1 | ..... | 2 | ..... | 6 |
| Ammunition (metric tons) | 40,000 | 164 | 68,000 | 275 | 40,000 | 164 | 9,000 | 37 |

[a] Data refer exclusively to combat materiel, excluding aid designed for war-support purposes.
[b] Price per firing battalion includes an allowance for replacement parts and initial complement of missiles.
[c] Data based on the estimated number of missiles fired with some provision for stockpiling.

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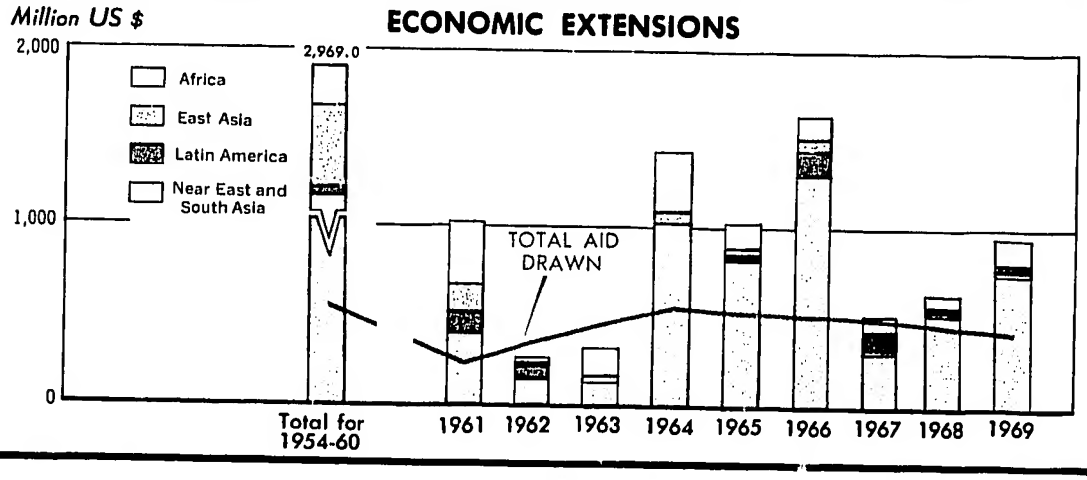
Figure 15

# COMMUNIST ECONOMIC AND MILITARY AID TO LESS DEVELOPED COUNTRIES OF THE FREE WORLD EXTENSIONS AND DRAWINGS, BY AREA

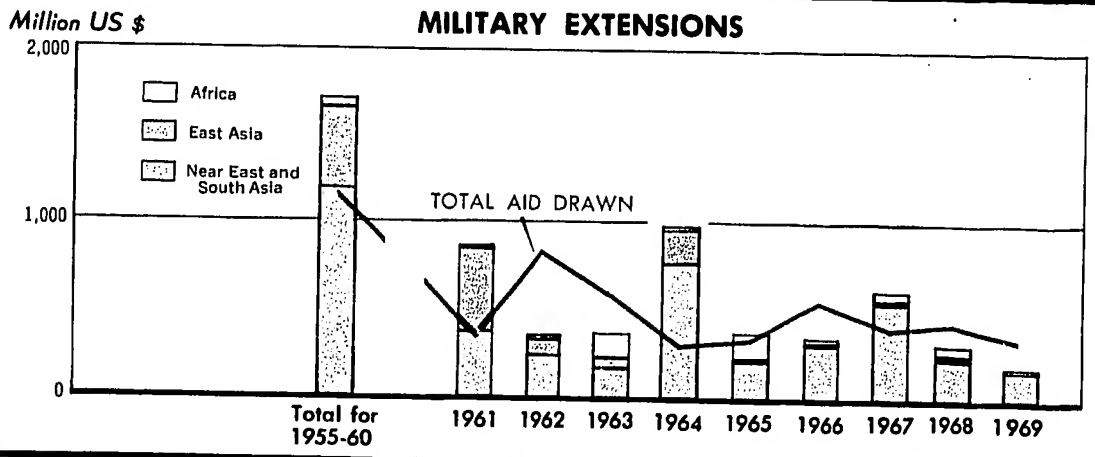
MILLION US $

| | TOTAL FOR 1954-60 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|
| ECONOMIC EXTENSIONS | 2,969.0 | 1,010.1 | 269.0 | 323.4 | 1,466.5 | 1,031.3 | 1,646.6 | 516.7 | 606.2 | 940.3 |
| AFRICA | 277.2 | 355.7 | 34.7 | 184.9 | 376.2 | 153.0 | 136.1 | 90.9 | 60.4 | 157.7 |
| EAST ASIA | 526.9 | 149.1 | 6.8 | 20.4 | 61.1 | 34.3 | 62.5 | | 1.0 | 13.6 |
| LATIN AMERICA | 34.2 | 110.0 | 70.0 | | | 18.3 | 143.1 | 116.8 | 17.5 | 31.4 |
| NEAR EAST AND SOUTH ASIA | 2,130.7 | 395.3 | 157.5 | 118.1 | 1,029.2 | 825.7 | 1,304.9 | 309.0 | 527.3 | 737.6 |
| TOTAL AID DRAWN | 531.3 | 236.7 | 355.9 | 425.2 | 558.4 | 525.0 | 513.7 | 500.8 | 456.7 | 414.5 |




MILLION US $

| | TOTAL FOR 1955-60 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|
| MILITARY EXTENSIONS | 1,717 | 843 | 373 | 399 | 996 | 356 | 344 | 614 | 310 | 182 |
| AFRICA | 24 | 3 | 17 | 142 | 4 | 154 | 11 | 21 | 72 | 2 |
| EAST ASIA | 488 | 455 | 95 | 62 | 220 | 4 | 2 | 3 | 6 | |
| NEAR EAST AND SOUTH ASIA | 1,205 | 385 | 261 | 195 | 772 | 198 | 331 | 590 | 232 | 180 |
| TOTAL AID DRAWN | 1,143 | 336 | 796 | 576 | 294 | 333 | 541 | 394 | 408 | 341 |

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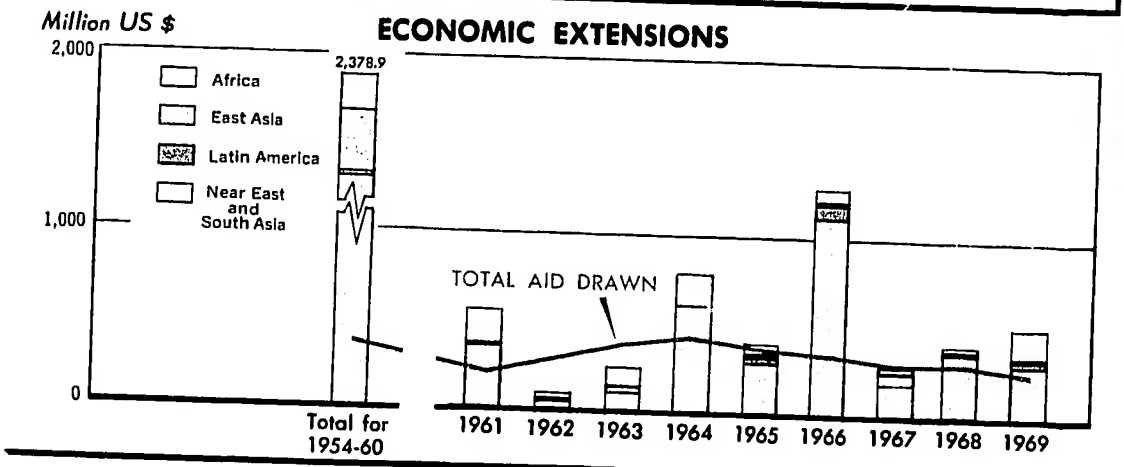
# SOVIET ECONOMIC AND MILITARY AID TO LESS DEVELOPED COUNTRIES OF THE FREE WORLD EXTENSIONS AND DRAWINGS, BY AREA

Figure 16

MILLION US $

| | TOTAL FOR 1954-60 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|
| ECONOMIC EXTENSIONS | 2,376.9 | 551.1 | 70.2 | 217.0 | 824.7 | 371.2 | 1,281.0 | 290.4 | 379.3 | 474.0 |
| AFRICA | 207.7 | 197.1 | 24.7 | 111.8 | 211.7 | 53.6 | 83.4 | 26.2 | 5.4 | 134.8 |
| EAST ASIA | 342.3 | 3.0 | 5.4 | 14.8 | | 3.3 | 3.5 | | | 1.7 |
| LATIN AMERICA | 29.0 | | | | | 15.3 | 95.0 | 54.8 | 2.5 | 20.0 |
| NEAR EAST AND SOUTH ASIA | | | | | | | | | | |
| TOTAL AID DRAWN | 1,799.9 | 351.0 | 40.1 | 90.4 | 613.0 | 299.0 | 1,099.1 | 209.4 | 371.4 | 317.5 |
| | 361.0 | 183.4 | 254.3 | 344.6 | 377.3 | 355.3 | 337.8 | 289.3 | 303.0 | 287.0 |




MILLION US $

| | TOTAL FOR 1956-60 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|
| MILITARY EXTENSIONS | 1,222 | 828 | 373 | 394 | 976 | 257 | 322 | 535 | 259 | 140 |
| AFRICA | 11 | 2 | 17 | 142 | 3 | 152 | 4 | | 61 | |
| EAST ASIA | 296 | 441 | 95 | 62 | 202 | | 2 | | 6 | |
| NEAR EAST AND SOUTH ASIA | 915 | 385 | 261 | 190 | 771 | 105 | 316 | 535 | 192 | 140 |
| TOTAL AID DRAWN | 657 | 322 | 786 | 576 | 286 | 321 | 442 | 373 | 356 | 302 |

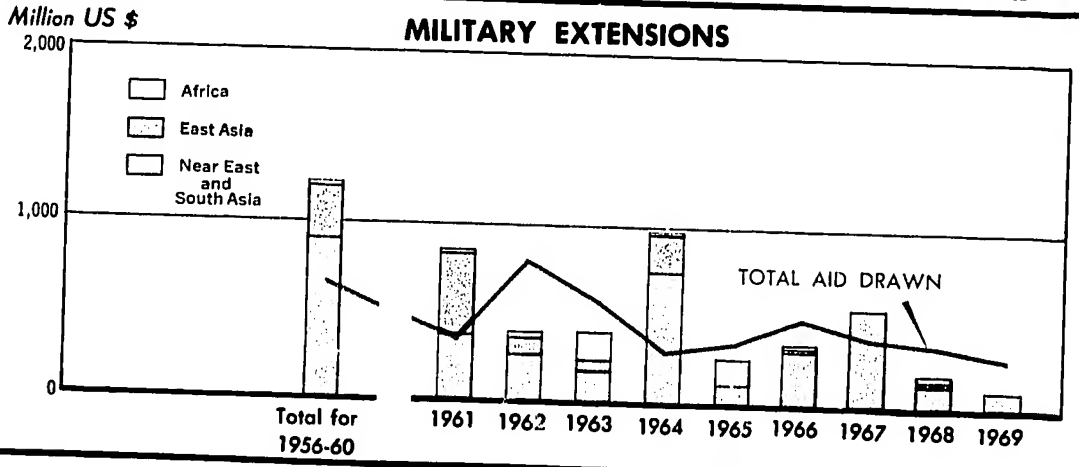



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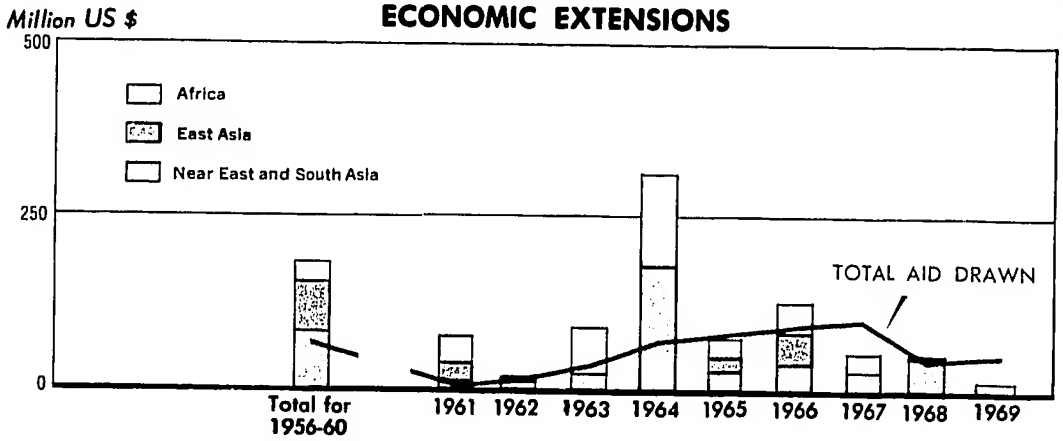
Figure 17

# CHINESE COMMUNIST ECONOMIC AND MILITARY AID TO LESS DEVELOPED COUNTRIES OF THE FREE WORLD EXTENSIONS AND DRAWINGS, BY AREA

MILLION US $

| | TOTAL FOR 1956-60 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|
| ECONOMIC EXTENSIONS | 181.3 | 75.0 | 12.3 | 88.1 | 310.9 | 70.7 | 119.0 | 54.5 | 54.3 | 11.5 |
| AFRICA | 26.5 | 39.2 | 1.8 | 71.6 | 138.2 | 24.7 | 42.5 | 26.5 | 0.3 | 11.5 |
| EAST ASIA | 76.8 | 26.0 | | | | 18.0 | 42.9 | | | |
| NEAR EAST AND SOUTH ASIA | 78.0 | 9.8 | 10.5 | 16.5 | 172.7 | 28.0 | 33.6 | 28.0 | 54.0 | |
| TOTAL AID DRAWN | 67.8 | 8.7 | 12.6 | 21.5 | 65.3 | 78.5 | 89.0 | 93.5 | 46.4 | 47.2 |




MILLION US $

| | TOTAL FOR 1956-60 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|
| MILITARY EXTENSIONS | 33 | | | | 4 | 54 | 7 | 4 | 5 | 3 |
| AFRICA | 12 | | | | | | 7 | 1 | 5 | 1 |
| EAST ASIA | 21 | | | | 4 | 4 | | 3 | | |
| NEAR EAST AND SOUTH ASIA | | | | | | 50 | | | | 2 |
| TOTAL AID DRAWN | 30 | 3 | | | 2 | 3 | 56 | | 2 | 3 |

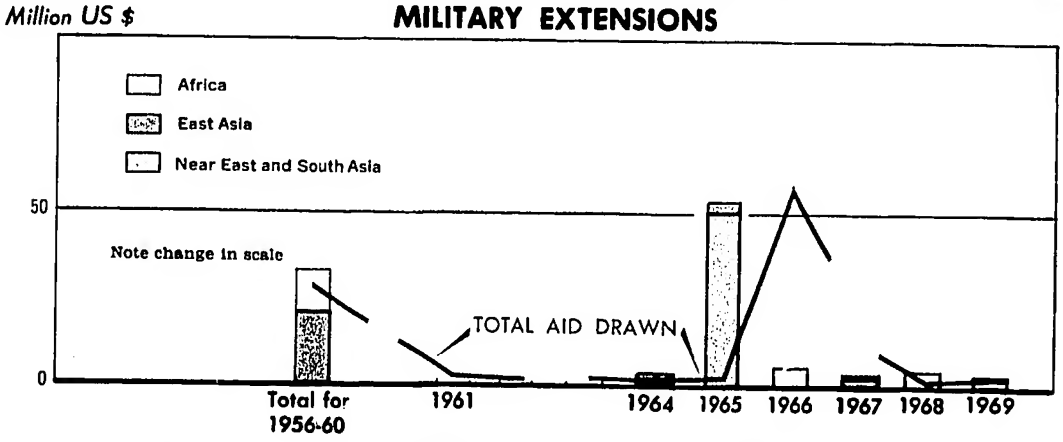



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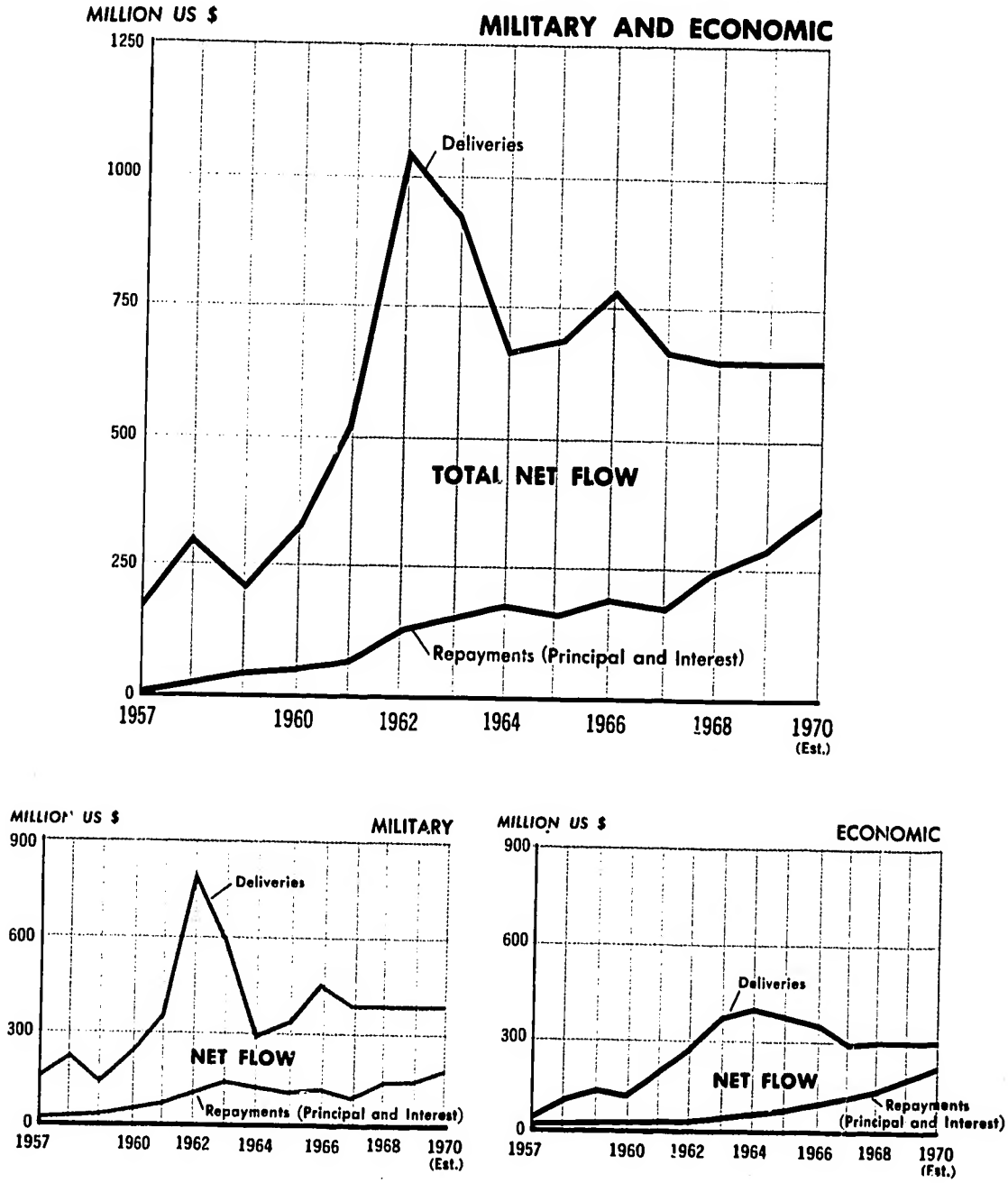
Figure 18

# TOTAL ANNUAL NET FLOWS OF SOVIET MILITARY AND ECONOMIC AID TO LESS DEVELOPED COUNTRIES OF THE FREE WORLD




NOTE: Excluding downpayment deliveries, but including grant aid.

78281 8-70 CIA

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Table 63

Communist Economic Aid to Less Developed Countries of the Free World, Extensions and Drawings

Million US $

| | Total | | USSR | | Eastern Europe | | Communist China | |
|---|---|---|---|---|---|---|---|---|
| | Extended | Drawn | Extended | Drawn | Extended | Drawn | Extended | Drawn |
| 1954 | 10.8 | 1.0 | 5.8 | 1.0 | 5.0 | ..... | ..... | ..... |
| 1955 | 150.7 | 2.7 | 118.4 | 2.7 | 32.3 | ..... | ..... | ..... |
| 1956 | 345.3 | 37.2 | 252.3 | 8.8 | 36.6 | 7.5 | 56.4 | 20.9 |
| 1957 | 293.7 | 61.9 | 254.6 | 35.9 | 23.3 | 18.9 | 15.8 | 7.1 |
| 1958 | 482.6 | 128.4 | 337.0 | 96.9 | 111.2 | 26.4 | 34.4 | 5.1 |
| 1959 | 934.9 | 151.1 | 856.8 | 108.7 | 76.9 | 17.3 | 1.2 | 25.1 |
| 1960 | 751.0 | 149.0 | 554.0 | 107.0 | 123.5 | 32.4 | 73.5 | 9.6 |
| 1961 | 1,010.1 | 236.7 | 551.1 | 183.4 | 384.0 | 44.6 | 75.0 | 8.7 |
| 1962 | 269.0 | 355.9 | 70.2 | 254.3 | 186.5 | 89.0 | 12.3 | 12.6 |
| 1963 | 323.4 | 425.2 | 217.0 | 344.6 | 18.3 | 59.1 | 88.1 | 21.5 |
| 1964 | 1,466.5 | 558.4 | 824.7 | 377.3 | 330.9 | 115.8 | 310.9 | 65.3 |
| 1965 | 1,031.3 | 525.0 | 371.2 | 355.3 | 589.4 | 91.2 | 70.7 | 78.5 |
| 1966 | 1,646.6 | 513.7 | 1,281.0 | 337.8 | 246.6 | 86.9 | 119.0 | 89.0 |
| 1967 | 516.7 | 500.8 | 290.4 | 289.3 | 171.8 | 118.0 | 54.5 | 93.5 |
| 1968 | 606.2 | 456.7 | 379.3 | 303.0 | 172.6 | 107.3 | 54.3 | 46.4 |
| 1969 | 940.3 | 414.5 | 474.0 | 287.0 | 454.8 | 80.3 | 11.5 | 47.2 |
| Total | 10,779.1 | 4,518.2 | 6,837.8 | 3,093.0 | 2,963.7 | 894.7 | 977.6 | 530.5 |


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Table 64

Communist Military Aid to Less Developed Countries of the Free World, Extensions and Drawings

Million US $

| | Total | | USSR | | Eastern Europe | | Communist China | |
|---|---|---|---|---|---|---|---|---|
| | Extended | Drawn | Extended | Drawn | Extended | Drawn | Extended | Drawn |
| 1955 | 115 | 53 | ..... | ..... | 115 | 53 | ..... | ..... |
| 1956 | 286 | 246 | 117 | 15 | 169 | 231 | ..... | ..... |
| 1957 | 238 | 136 | 238 | 136 | ..... | ..... | ..... | ..... |
| 1958 | 473 | 377 | 281 | 195 | 171 | 171 | 21 | 11 |
| 1959 | 36 | 109 | 30 | 95 | 1 | 1 | 5 | 13 |
| 1960 | 569 | 222 | 556 | 216 | 6 | ..... | 7 | 6 |
| 1961 | 843 | 336 | 828 | 322 | 15 | 11 | ..... | 3 |
| 1962 | 373 | 796 | 373 | 786 | ..... | 10 | ..... | ..... |
| 1963 | 399 | 576 | 394 | 576 | 5 | ..... | ..... | ..... |
| 1964 | 996 | 294 | 976 | 286 | 16 | 6 | 4 | 2 |
| 1965 | 356 | 333 | 257 | 321 | 45 | 9 | 54 | 3 |
| 1966 | 344 | 541 | 322 | 442 | 15 | 43 | 7 | 56 |
| 1967 | 614 | 394 | 535 | 373 | 75 | 21 | 4 | ..... |
| 1968 | 310 | 408 | 259 | 356 | 46 | 50 | 5 | 2 |
| 1969 | 182 | 341 | 140 | 392 | 39 | 36 | 3 | 3 |
| Total | 6,134 | 5,162 | 5,306 | 4,421 | 718 | 642 | 110 | 99 |



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Table 65

Net Flow of Soviet Productive Resources to Less Developed Countries of the Free World

Million US $

| | Annual Average 1954–63 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|
| Deliveries of economic aid [a] | 114.3 | 377.3 | 355.3 | 337.8 | 289.3 | 303.0 | 287.0 |
| Less repayments for economic aid | 13.3 | 64.6 | 73.6 | 89.0 | 103.0 | 137.6 | 179.0 [b] |
| Principal | 9.1 | 43.5 | 50.4 | 63.2 | 73.6 | 99.3 | 133.2 [b] |
| Interest | 4.2 | 21.1 | 23.2 | 25.8 | 29.5 | 38.3 | 45.8 [b] |
| Less repayments for military aid | 30.0 | 107.1 | 84.3 | 91.4 | 67.8 | 106.8 | 129.3 [b] |
| Principal | 27.1 | 98.3 | 76.5 | 82.0 | 54.4 | 90.0 | 100.6 [b] |
| Interest | 2.9 | 8.8 | 7.8 | 9.4 | 13.4 | 16.7 | 28.7 [b] |
| Net Flow [c] | 71.1 | 205.6 | 197.4 | 157.4 | 118.4 | 58.6 | −21.3 |

[a] Including grants.

[b] Scheduled repayments.

[c] Data are for productive resources that have a direct economic impact on the less developed countries and differ from those presented in Figure 18, which include the delivery of military aid.


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Communist Economic and Military Aid Extended to Less Developed Countries of the Free World, by Recipient and Donor

| | Million US $ | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Total for 1954–64 | 1965 | 1966 | 1967 | 1968 | 1969 | Total | Percent |
| Africa | 1,418.7 | 307.0 | 147.1 | 111.9 | 132.4 | 159.7 | 2,276.8 | 13.5 |
| Algeria | | | | | | | | |
| USSR and Eastern Europe | 364.9 | 135.0 | 5.6 | ..... | ..... | ..... | 505.5 | 3.0 |
| Communist China | 63.8 | 0.2 | ..... | ..... | ..... | ..... | 64.0 | 0.4 |
| Congo (Brazzaville) | | | | | | | | |
| USSR and Eastern Europe | 10.2 | 5.7 | ..... | ..... | 1.0 | ..... | 16.9 | 0.1 |
| Communist China | 25.2 | ..... | ..... | ..... | ..... | 1.0 | 26.2 | 0.2 |
| Ghana | | | | | | | | |
| USSR and Eastern Europe | 185.9 | 21.2 | ..... | ..... | ..... | ..... | 207.1 | 1.2 |
| Communist China | 42.0 | ..... | ..... | ..... | ..... | ..... | 42.0 | 0.2 |
| Guinea | | | | | | | | |
| USSR and Eastern Europe | 105.3 | 20.0 | 2.7 | 16.7 | 3.5 | 92.2 | 240.4 | 1.4 |
| Communist China | 26.5 | ..... | 31.2 | ..... | 1.3 | 11.5 | 70.5 | 0.4 |
| Mali | | | | | | | | |
| USSR and Eastern Europe | 84.1 | 2.2 | 3.2 | ..... | ..... | 0.8 | 90.3 | 0.5 |
| Communist China | 42.0 | 8.0 | 3.0 | ..... | ..... | ..... | 53.0 | 0.3 |
| Morocco | | | | | | | | |
| USSR and Eastern Europe | 16.2 | 30.0 | 45.6 | 20.0 | ..... | ..... | 111.8 | 0.7 |
| Nigeria | | | | | | | | |
| USSR and Eastern Europe | ..... | 14.0 | ..... | ..... | 9.0 | ..... | 23.0 | 0.1 |
| Somalia | | | | | | | | |
| USSR and Eastern Europe | 92.2 | 0.9 | 8.5 | ..... | ..... | ..... | 101.6 | 0.6 |
| Communist China | 21.6 | 1.5 | 0.2 | ..... | ..... | ..... | 23.3 | 0.1 |
| Sudan | | | | | | | | |
| USSR and Eastern Europe | 23.0 | ..... | 10.0 | 37.2 | 55.0 | 53.2 | 178.4 | 1.1 |
| Tanzania | | | | | | | | |
| USSR and Eastern Europe | 6.3 | 1.4 | 22.0 | ..... | ..... | ..... | 29.7 | 0.2 |
| Communist China | 46.3 | ..... | 15.1 | 3.5 | 4.0 | ..... | 68.9 | 0.4 |
| Uganda | | | | | | | | |
| USSR and Eastern Europe | 15.6 | 12.0 | ..... | ..... | 2.0 | 1.0 | 30.6 | 0.2 |
| Communist China | ..... | 15.0 | ..... | ..... | ..... | ..... | 15.0 | 0.1 |
| Other | | | | | | | | |
| USSR and Eastern Europe | 225.7 | 39.9 | ..... | 10.5 | 56.6 | ..... | 332.7 | 2.0 |
| Communist China | 21.9 | ..... | ..... | 24.0 | ..... | ..... | 45.9 | 0.3 |
| East Asia | 2,084.3 | 38.3 | 64.5 | 3.0 | 7.0 | 13.6 | 2,210.7 | 13.1 |
| Cambodia | | | | | | | | |
| USSR and Eastern Europe | 30.8 | ..... | 5.5 | ..... | 6.0 | 11.9 | 54.2 | 0.3 |
| Communist China | 53.4 | 4.0 | 42.9 | 3.0 | ..... | ..... | 103.3 | 0.6 |
| Indonesia | | | | | | | | |
| USSR and Eastern Europe | 1,909.0 | 6.3 | ..... | ..... | ..... | ..... | 1,915.3 | 11.3 |
| Communist China | 52.4 | 18.0 | ..... | ..... | ..... | ..... | 70.4 | 0.4 |
| Other | | | | | | | | |
| USSR and Eastern Europe | 16.7 | 10.0 | 16.1 | ..... | 1.0 | 1.7 | 45.5 | 0.3 |
| Communist China | 22.0 | ..... | ..... | ..... | ..... | ..... | 22.0 | 0.1 |

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Latin America | 214.2 | 18.3 | 143.1 | 116.8 | 17.5 | 31.4 | 541.3 | 3.2 |
| Brazil | | | | | | | | |
| USSR and Eastern Europe | 181.5 | ..... | 137.1 | 17.0 | ..... | ..... | 335.6 | 2.0 |
| Other | | | | | | | | |
| USSR and Eastern Europe | 32.7 | 18.3 | 6.0 | 99.8 | 17.5 | 31.4 | 205.7 | 1.2 |
| Near East and South Asia | 6,648.8 | 1,023.7 | 1,635.9 | 899.0 | 759.3 | 917.6 | 11,884.3 | 70.3 |
| Afghanistan | | | | | | | | |
| USSR and Eastern Europe | 796.0 | 14.1 | 15.6 | 115.0 | 128.6 | ..... | 1,069.3 | 6.3 |
| Communist China | ..... | 28.0 | ..... | ..... | ..... | ..... | 28.0 | 0.2 |
| Ceylon | | | | | | | | |
| USSR and Eastern Europe | 38.0 | 42.6 | ..... | ..... | ..... | ..... | 80.6 | 0.5 |
| Communist China | 41.0 | ..... | ..... | ..... | ..... | ..... | 41.0 | 0.2 |
| Cyprus | | | | | | | | |
| USSR and Eastern Europe | 26.0 | ..... | 1.0 | ..... | ..... | ..... | 27.0 | 0.2 |
| India | | | | | | | | |
| USSR and Eastern Europe | 1,453.0 | 366.5 | 726.7 | 25.0 | 50.0 | 69.3 | 2,690.5 | 15.9 |
| Iran | | | | | | | | |
| USSR and Eastern Europe | 62.6 | 125.0 | 305.5 | 120.0 | 252.8 | 205.0 | 1,070.9 | 6.3 |
| Iraq | | | | | | | | |
| USSR and Eastern Europe | 566.9 | 20.0 | 181.0 | 118.4 | 40.0 | 300.9 | 1,227.2 | 7.3 |
| Pakistan | | | | | | | | |
| USSR and Eastern Europe | 72.2 | 50.0 | 113.2 | ..... | 96.9 | 28.2 | 360.5 | 2.1 |
| Communist China | 60.0 | 50.0 | ..... | 7.0 | 40.0 | ..... | 157.0 | 0.9 |
| Southern Yemen | | | | | | | | |
| USSR and Eastern Europe | ..... | ..... | ..... | ..... | 7.0 | 39.6 | 46.6 | 0.3 |
| Communist China | ..... | ..... | ..... | ..... | 12.0 | ..... | 12.0 | 0.1 |
| Syria | | | | | | | | |
| USSR and Eastern Europe | 472.4 | 31.1 | 241.8 | 85.0 | 50.0 | 37.0 | 917.3 | 5.4 |
| Communist China | 16.3 | ..... | ..... | ..... | ..... | 2.0 | 18.3 | 0.1 |
| Turkey | | | | | | | | |
| USSR and Eastern Europe | 18.9 | ..... | ..... | 200.0 | ..... | 171.6 | 390.5 | 2.3 |
| United Arab Republic | | | | | | | | |
| USSR and Eastern Europe | 2,647.2 | 280.4 | 14.0 | 197.6 | 75.0 | 62.0 | 3,276.2 | 19.4 |
| Communist China | 84.7 | ..... | ..... | 21.0 | ..... | ..... | 105.7 | 0.6 |
| Yemen | | | | | | | | |
| USSR and Eastern Europe | 187.3 | 8.3 | 3.5 | 10.0 | 5.0 | 2.0 | 216.1 | 1.3 |
| Communist China | 42.1 | ..... | 14.0 | ..... | ..... | ..... | 56.1 | 0.3 |
| Other | | | | | | | | |
| USSR and Eastern Europe | 20.8 | 7.7 | ..... | ..... | ..... | ..... | 28.5 | 0.2 |
| Communist China | 43.4 | ..... | 19.6 | ..... | 2.0 | ..... | 65.0 | 0.4 |
| Total | 10,366.0 | 1,387.3 | 1,990.6 | 1,130.7 | 916.2 | 1,122.3 | 16,913.1 | 100.0 |
| USSR and Eastern Europe | 9,661.4 | 1,262.6 | 1,864.6 | 1,072.2 | 856.9 | 1,107.8 | 15,825.5 | 93.6 |
| Communist China | 704.6 | 124.7 | 126.0 | 58.5 | 59.3 | 14.5 | 1,087.6 | 6.4 |

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Table 67

Communist Economic Aid Extended to Less Developed Countries of the Free World, by Recipient and Donor

| | Million US $ | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Total for 1954–64 | 1965 | 1966 | 1967 | 1968 | 1969 | Total | Percent |
| Africa | 1,228.7 | 153.0 | 136.1 | 90.9 | 60.4 | 157.7 | 1,826.8 | 16.9 |
| Algeria | | | | | | | | |
| USSR and Eastern Europe | 253.9 | ..... | 5.6 | ..... | ..... | ..... | 259.5 | 2.4 |
| Communist China | 51.8 | 0.2 | ..... | ..... | ..... | ..... | 52.0 | 0.5 |
| Ethiopia | | | | | | | | |
| USSR and Eastern Europe | 113.6 | 5.2 | ..... | ..... | ..... | ..... | 118.8 | 1.1 |
| Ghana | | | | | | | | |
| USSR and Eastern Europe | 176.9 | 20.2 | ..... | ..... | ..... | ..... | 197.1 | 1.8 |
| Communist China | 42.0 | ..... | ..... | ..... | ..... | ..... | 42.0 | 0.4 |
| Guinea | | | | | | | | |
| USSR and Eastern Europe | 96.3 | 18.0 | 2.7 | 16.7 | 3.5 | 92.2 | 229.4 | 2.1 |
| Communist China | 26.5 | ..... | 31.2 | ..... | 0.3 | 11.5 | 69.5 | 0.6 |
| Mali | | | | | | | | |
| USSR and Eastern Europe | 82.1 | 0.2 | 3.2 | ..... | ..... | 0.8 | 86.3 | 0.8 |
| Communist China | 42.0 | 8.0 | 3.0 | ..... | ..... | ..... | 53.0 | 0.5 |
| Morocco | | | | | | | | |
| USSR and Eastern Europe | 5.2 | 30.0 | 43.6 | ..... | ..... | ..... | 78.8 | 0.7 |
| Somalia | | | | | | | | |
| USSR and Eastern Europe | 57.2 | 0.9 | 8.5 | ..... | ..... | ..... | 66.6 | 0.6 |
| Communist China | 21.6 | 1.5 | 0.2 | ..... | ..... | ..... | 23.3 | 0.2 |
| Sudan | | | | | | | | |
| USSR and Eastern Europe | 23.0 | ..... | 10.0 | 37.2 | ..... | 53.2 | 123.4 | 1.1 |
| Tanzania | | | | | | | | |
| USSR and Eastern Europe | 5.3 | 1.4 | 20.0 | ..... | ..... | ..... | 26.7 | 0.2 |
| Communist China | 46.3 | ..... | 8.1 | 2.5 | ..... | ..... | 56.9 | 0.5 |
| Tunisia | | | | | | | | |
| USSR and Eastern Europe | 55.6 | ..... | ..... | 1.6 | 51.2 | ..... | 108.4 | 1.0 |
| Other | | | | | | | | |
| USSR and Eastern Europe | 82.3 | 52.4 | ..... | 8.9 | 5.4 | ..... | 149.0 | 1.4 |
| Communist China | 47.1 | 15.0 | ..... | 24.0 | ..... | ..... | 86.1 | 0.8 |
| East Asia | 764.3 | 34.3 | 62.5 | 0 | 1.0 | 13.6 | 875.7 | 8.1 |
| Burma | | | | | | | | |
| USSR and Eastern Europe | 15.2 | 10.0 | 16.1 | ..... | 1.0 | 1.7 | 44.0 | 0.4 |
| Communist China | 22.0 | ..... | ..... | ..... | ..... | ..... | 22.0 | 0.2 |
| Cambodia | | | | | | | | |
| USSR and Eastern Europe | 26.8 | ..... | 3.5 | ..... | ..... | 11.9 | 42.2 | 0.4 |
| Communist China | 49.4 | ..... | 42.9 | ..... | ..... | ..... | 92.3 | 0.9 |
| Indonesia | | | | | | | | |
| USSR and Eastern Europe | 618.0 | 6.3 | ..... | ..... | ..... | ..... | 624.3 | 5.8 |
| Communist China | 31.4 | 18.0 | ..... | ..... | ..... | ..... | 49.4 | 0.5 |
| Laos | | | | | | | | |
| USSR and Eastern Europe | 1.5 | ..... | ..... | ..... | ..... | ..... | 1.5 | *Negl.* |

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Latin America | 214.2 | 18.3 | 143.1 | 116.8 | 17.5 | 31.4 | 541.3 | 5.0 |
| Argentina | | | | | | | | |
| USSR and Eastern Europe | 32.7 | 18.3 | ..... | 30.0 | 5.0 | ..... | 86.0 | 0.8 |
| Brazil | | | | | | | | |
| USSR and Eastern Europe | 181.5 | ..... | 137.1 | 17.0 | ..... | ..... | 335.6 | 3.1 |
| Chile | | | | | | | | |
| USSR and Eastern Europe | ..... | ..... | ..... | 54.8 | 5.0 | ..... | 59.8 | 0.6 |
| Other | | | | | | | | |
| USSR and Eastern Europe | ..... | ..... | 6.0 | 15.0 | 7.5 | 31.4 | 59.9 | 0.6 |
| Near East and South Asia | 3,830.8 | 825.7 | 1,304.9 | 309.0 | 527.3 | 737.6 | 7,535.3 | 69.9 |
| Afghanistan | | | | | | | | |
| USSR and Eastern Europe | 557.0 | 14.1 | 5.6 | 5.0 | 128.6 | ..... | 710.3 | 6.6 |
| Communist China | ..... | 28.0 | ..... | ..... | ..... | ..... | 28.0 | 0.3 |
| India | | | | | | | | |
| USSR and Eastern Europe | 1,063.0 | 248.5 | 626.7 | 25.0 | ..... | 30.3 | 1,993.5 | 18.5 |
| Iran | | | | | | | | |
| USSR and Eastern Europe | 62.6 | 125.0 | 305.5 | 10.0 | 252.8 | 200.0 | 955.9 | 8.9 |
| Iraq | | | | | | | | |
| USSR and Eastern Europe | 183.9 | 20.0 | ..... | 18.4 | ..... | 247.9 | 470.2 | 4.4 |
| Nepal | | | | | | | | |
| USSR and Eastern Europe | 20.8 | ..... | ..... | ..... | ..... | ..... | 20.8 | 0.2 |
| Communist China | 43.4 | ..... | 19.6 | ..... | 2.0 | ..... | 65.0 | 0.6 |
| Pakistan | | | | | | | | |
| USSR and Eastern Europe | 72.2 | 50.0 | 113.2 | ..... | 66.9 | 28.2 | 330.5 | 3.1 |
| Communist China | 60.0 | ..... | ..... | 7.0 | 40.0 | ..... | 107.0 | 1.0 |
| Southern Yemen | | | | | | | | |
| USSR and Eastern Europe | ..... | ..... | ..... | ..... | ..... | 34.6 | 34.6 | 0.3 |
| Communist China | ..... | ..... | ..... | ..... | 12.0 | ..... | 12.0 | 0.1 |
| Syria | | | | | | | | |
| USSR and Eastern Europe | 130.4 | 26.1 | 216.8 | ..... | 25.0 | 25.0 | 423.3 | 3.9 |
| Communist China | 16.3 | ..... | ..... | ..... | ..... | ..... | 16.3 | 0.2 |
| Turkey | | | | | | | | |
| USSR and Eastern Europe | 18.9 | ..... | ..... | 200.0 | ..... | 171.6 | 390.5 | 3.6 |
| United Arab Republic | | | | | | | | |
| USSR and Eastern Europe | 1,297.2 | 255.4 | ..... | 22.6 | ..... | ..... | 1,575.2 | 14.6 |
| Communist China | 84.7 | ..... | ..... | 21.0 | ..... | ..... | 105.7 | 1.0 |
| Yemen | | | | | | | | |
| USSR and Eastern Europe | 99.3 | 8.3 | 3.5 | ..... | ..... | ..... | 111.1 | 1.0 |
| Communist China | 42.1 | ..... | 14.0 | ..... | ..... | ..... | 56.1 | 0.5 |
| Other | | | | | | | | |
| USSR and Eastern Europe | 38.0 | 50.3 | ..... | ..... | ..... | ..... | 88.3 | 0.8 |
| Communist China | 41.0 | ..... | ..... | ..... | ..... | ..... | 41.0 | 0.4 |
| Total | 6,038.0 | 1,031.3 | 1,646.6 | 516.7 | 606.2 | 940.3 | 10,779.1 | 100.0 |
| USSR and Eastern Europe | 5,370.4 | 960.6 | 1,527.6 | 462.2 | 551.9 | 928.8 | 9,801.5 | 90.9 |
| Communist China | 667.6 | 70.7 | 119.0 | 54.5 | 54.3 | 11.5 | 977.6 | 9.1 |

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Table 68

Communist Military Aid Extended to Less Developed Countries of the Free World, by Recipient and Donor

| | Million US $ | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Total for 1955-64 | 1965 | 1966 | 1967 | 1968 | 1969 | Total | Percent |
| Africa | 190 | 154 | 11 | 21 | 72 | 2 | 450 | 7.3 |
| Algeria | | | | | | | | |
| USSR and Eastern Europe | 111 | 135 | ..... | ..... | ..... | ..... | 246 | 4.0 |
| Communist China | 12 | ..... | ..... | ..... | ..... | ..... | 12 | 0.2 |
| Sudan | | | | | | | | |
| USSR and Eastern Europe | ..... | ..... | ..... | ..... | 55 | ..... | 55 | 0.9 |
| Other | | | | | | | | |
| USSR and Eastern Europe | 67 | 19 | 4 | 20 | 12 | 1 | 123 | 2.0 |
| Communist China | ..... | ..... | 7 | 1 | 5 | 1 | 14 | 0.2 |
| East Asia | 1,320 | 4 | 2 | 3 | 6 | 0 | 1,335 | 21.8 |
| Cambodia | | | | | | | | |
| USSR and Eastern Europe | 4 | ..... | 2 | ..... | 6 | ..... | 12 | 0.2 |
| Communist China | 4 | 4 | ..... | 3 | ..... | ..... | 11 | 0.2 |
| Indonesia | | | | | | | | |
| USSR and Eastern Europe | 1,291 | ..... | ..... | ..... | ..... | ..... | 1,291 | 21.0 |
| Communist China | 21 | ..... | ..... | ..... | ..... | ..... | 21 | 0.3 |
| Near East and South Asia | 2,818 | 198 | 331 | 590 | 232 | 180 | 4,349 | 70.9 |
| Afghanistan | | | | | | | | |
| USSR and Eastern Europe | 239 | ..... | 10 | 110 | ..... | ..... | 359 | 5.9 |
| India | | | | | | | | |
| USSR and Eastern Europe | 390 | 118 | 100 | ..... | 50 | 39 | 697 | 11.4 |
| Iran | | | | | | | | |
| USSR and Eastern Europe | ..... | ..... | ..... | 110 | ..... | 5 | 115 | 1.9 |
| Iraq | | | | | | | | |
| USSR and Eastern Europe | 383 | ..... | 181 | 100 | 40 | 53 | 757 | 12.3 |
| Pakistan | | | | | | | | |
| USSR and Eastern Europe | ..... | ..... | ..... | ..... | 30 | ..... | 30 | 0.5 |
| Communist China | ..... | 50 | ..... | ..... | ..... | ..... | 50 | 0.8 |
| Syria | | | | | | | | |
| USSR and Eastern Europe | 342 | 5 | 25 | 85 | 25 | 12 | 494 | 8.1 |
| Communist China | ..... | ..... | ..... | ..... | ..... | 2 | 2 | *Negl.* |
| United Arab Republic | | | | | | | | |
| USSR and Eastern Europe | 1,350 | 25 | 14 | 175 | 75 | 62 | 1,701 | 27.7 |
| Yemen | | | | | | | | |
| USSR and Eastern Europe | 88 | ..... | ..... | 10 | 5 | 2 | 105 | 1.7 |
| Other | | | | | | | | |
| USSR and Eastern Europe | 26 | ..... | 1 | ..... | 7 | 5 | 39 | 0.6 |
| Total | 4,328 | 356 | 344 | 614 | 310 | 182 | 6,134 | 100.0 |
| USSR and Eastern Europe | 4,291 | 302 | 337 | 610 | 305 | 179 | 6,024 | 98.2 |
| Communist China | 37 | 54 | 7 | 4 | 5 | 3 | 110 | 1.8 |

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Table 69

Communist Major Deliveries of Land Armaments and Naval Ships to Less Developed Countries of the Free World, by Recipient
January 1967–December 1969

| | Land Armaments | | | | | Naval Ships | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Medium Tanks | Light Tanks | Self-Propelled Assault Guns | Personnel Carriers[a] | Artillery Pieces | Destroyers | Submarines | Minesweepers | Submarine Chasers | Motor Torpedo and Missile Boats | Other[b] |
| Africa | | | | | | | | | | | |
| Algeria | 39 | ..... | 1 | 127 | 6 | ..... | ..... | 2 | 3 | 9 | ..... |
| Guinea | ..... | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3 |
| Morocco | 79 | ..... | 30 | 80 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Nigeria | ..... | ..... | ..... | 30 | 90 | ..... | ..... | ..... | ..... | ..... | 3 |
| Somalia | 71 | ..... | ..... | 6 | 84 | ..... | ..... | ..... | ..... | ..... | 2 |
| Sudan | 12 | ..... | ..... | 12 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Tanzania | ..... | 14 | ..... | 36 | 24 | ..... | ..... | ..... | ..... | ..... | 7 |
| Uganda | ..... | ..... | ..... | 36 | 24 | ..... | ..... | ..... | ..... | ..... | ..... |
| East Asia | | | | | | | | | | | |
| Cambodia | ..... | ..... | ..... | 15 | 37 | ..... | ..... | ..... | ..... | ..... | ..... |
| Near East and South Asia | | | | | | | | | | | |
| Afghanistan | 32 | ..... | ..... | 117 | 97 | ..... | ..... | ..... | ..... | ..... | ..... |
| India | 30 | ..... | ..... | ..... | 42 | ..... | 3 | ..... | 3 | ..... | 6 |
| Iran | ..... | ..... | ..... | 600 | 409 | ..... | ..... | ..... | ..... | ..... | ..... |
| Iraq | 150 | ..... | 30 | 400 | 235 | ..... | ..... | [illegible] | ..... | ..... | ..... |
| Pakistan | 60 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Southern Yemen | 33 | ..... | ..... | ..... | 50 | ..... | ..... | ..... | ..... | ..... | ..... |
| Syria | 215 | 23 | 50 | 130 | 400 | ..... | ..... | ..... | ..... | ..... | ..... |
| United Arab Republic | 500 | 12 | ..... | 220 | 525 | 2[c] | 1[c] | 6 | ..... | 9 | 11 |

[a] Armored and amphibious.
[b] Including auxiliary vessels and landing craft.
[c] Received in exchange for older models returned to the USSR.



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Table 70

Communist Major Deliveries of Aircraft and Guided Missile Systems to Less Developed Countries of the Free World, by Recipient
January 1967–December 1969

| | Aircraft | | | | | Guided Missile Systems [a] | | |
|---|---|---|---|---|---|---|---|---|
| | Medium Jet Bombers | Light Jet Bombers | Jet Fighters | Heavy Transports | Other [b] | Air-to-Air [c] | Surface-to-Air [d] | Surface-to-Surface [e] |
| Africa | | | | | | | | |
| Algeria | ..... | 6 | 27 | ..... | 10 | 2 | [f] | 3 |
| Congo (Brazzaville) | ..... | ..... | ..... | ..... | 2 | ..... | ..... | ..... |
| Guinea | ..... | ..... | ..... | ..... | 4 | ..... | ..... | ..... |
| Nigeria | ..... | ..... | 33 | ..... | 13 | ..... | ..... | ..... |
| Somalia | ..... | ..... | 8 | ..... | ..... | ..... | ..... | ..... |
| Sudan | ..... | ..... | 12 | ..... | 4 | 12 | ..... | ..... |
| Uganda | ..... | ..... | 5 | ..... | 8 | ..... | ..... | ..... |
| East Asia | | | | | | | | |
| Cambodia | ..... | ..... | ..... | ..... | 1 | ..... | ..... | ..... |
| Near East and South Asia | | | | | | | | |
| Afghanistan | ..... | ..... | 21 | 1 | 2 | 18 | 1 | ..... |
| India | ..... | ..... | 75 [g] | ..... | 40 | ..... | ..... | ..... |
| Iraq | ..... | ..... | 116 | 3 | 72 | 48 | ..... | ..... |
| Pakistan | ..... | ..... | ..... | ..... | 10 | ..... | ..... | ..... |
| Southern Yemen | ..... | ..... | 10 | ..... | ..... | ..... | ..... | ..... |
| Syria | ..... | ..... | 148 | ..... | 37 | 55 | 1 | ..... |
| United Arab Republic | 24 | 26 | 282 | 3 | 129 | 60 | [f] | 3 |
| Yemen | ..... | 6 | 30 | ..... | ..... | ..... | ..... | ..... |

[a] Data reflect numbers of aircraft, ships, and sites having missile capability.
[b] Including nonjet combat aircraft, trainers, transports, and helicopters.
[c] Number of fighter aircraft equipped with AAM's (two to four per aircraft).
[d] Number of SAM firing battalions, or sites (six launchers per site, four missiles per launcher).
[e] Ship launched. These data constitute the number of Komar- and Osa-class ships equipped with SSM's (two to four per ship).
[f] An undetermined number of SAM's have been received.
[g] Excluding those fighters assembled at the aeronautics plant in Nasik.



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Table 71

Communist Major Military Equipment Delivered to Less Developed Countries of the Free World, by Recipient
1969

| | Land Armaments | | | Naval Ships | | | Aircraft | | | Guided Missile Systems [a] | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Medium Tanks | Personnel Carriers [b] | Artillery Pieces | Submarines | Minesweepers and Submarine Chasers | Other | Jet Fighters | Light Jet Bombers | Heavy Transports and Other | Air-to-Air [c] | Surface-to-Air [d] |
| **Africa** | | | | | | | | | | | |
| Nigeria | ..... | ..... | 80 | ..... | ..... | ..... | 9 | ..... | 3 | ..... | ..... |
| Somalia | 46 | ..... | 54 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Sudan | 12 | 12 | ..... | ..... | ..... | ..... | 12 | ..... | 4 | 12 | ..... |
| Uganda | ..... | 24 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| **Near East and South Asia** | | | | | | | | | | | |
| Afghanistan | ..... | ..... | ..... | ..... | ..... | ..... | 3 | ..... | ..... | ..... | ..... |
| India | ..... | ..... | ..... | 2 | 1 [e] | 1 | 18 | ..... | 19 | ..... | ..... |
| Iran | ..... | 300 | 195 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Iraq | ..... | 200 | ..... | ..... | 2 [f] | ..... | 18 | ..... | 25 | ..... | ..... |
| Pakistan | 60 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6 | ..... | ..... |
| Southern Yemen | 33 | ..... | 50 | ..... | ..... | ..... | 10 | ..... | ..... | ..... | ..... |
| Syria | 100 | 5 | 75 | ..... | ..... | ..... | 63 | ..... | 15 | 28 | 1 |
| United Arab Republic | 200 | 130 | 125 | ..... | 4 [f] | 3 | 49 | 4 | 23 [g] | 31 | ..... |

[a] Data reflect numbers of aircraft and sites having missile capability.
[b] Armored and amphibious.
[c] Number of fighter aircraft equipped with AAMs (two to four per aircraft).
[d] Number of SAM firing battalions, or sites (six launchers per site, four missiles per launcher).
[e] Submarine chaser.
[f] Minesweepers.
[g] Including three heavy transports.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 72

Academic, Technical, and Military Trainees [a] Departing from Less Developed Countries of the Free World for Training in Communist Countries, by Area of Destination

| | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|
| Total trainees | 6,635 | 4,920 | 4,545 | 5,175 | 6,505 |
| USSR and Eastern Europe | 6,505 | 4,730 | 4,430 | 5,170 | 6,490 |
| Communist China | 130 | 190 | 115 | 5 | 15 |
| Academic trainees | 2,405 | 2,075 | 2,095 | 2,205 | 3,405 |
| USSR and Eastern Europe | 2,345 | 2,075 | 2,095 | 2,205 | 3,405 |
| Communist China | 60 | 0 | 0 | 0 | 0 |
| Technical trainees | 1,500 | 1,285 | 1,245 | 1,455 | 1,880 |
| USSR and Eastern Europe | 1,465 | 1,205 | 1,220 | 1,450 | 1,880 |
| Communist China | 35 | 80 | 25 | 5 | 0 |
| Military trainees | 2,730 | 1,560 | 1,205 | 1,515 | 1,220 |
| USSR and Eastern Europe | 2,695 | 1,450 | 1,115 | 1,515 | 1,205 |
| Communist China | 35 | 110 | 90 | 0 | 15 |

[a] Rounded to the nearest five persons. Data are for persons departing for training and not necessarily those completing training.



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Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Table 73

Military Personnel from Less Developed Countries Trained in Communist Countries[a]

| | Departures to Communist Countries | | | | | | Being Trained, December 1969 | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1968[b] | | | 1969[c] | | | | | | |
| | Total | USSR | Eastern Europe | Total | USSR | Communist China | Total | USSR | Eastern Europe | Communist China |
| Total | 1,515 | 1,505 | 10 | 1,220 | 1,205 | 15 | 3,025 | 2,865 | 145 | 15 |
| Africa | 520 | 510 | 10 | 445 | 430 | 15 | 1,255 | 1,195 | 45 | 15 |
| Algeria | 270 | 270 | ..... | 65 | 65 | ..... | 500 | 500 | ..... | ..... |
| Congo (Brazzaville) | ..... | ..... | ..... | ..... | ..... | ..... | 65 | 65 | ..... | ..... |
| Guinea | 40 | 40 | ..... | ..... | ..... | ..... | 135 | 135 | ..... | ..... |
| Mali | ..... | ..... | ..... | 10 | 10 | ..... | 10 | 10 | ..... | ..... |
| Morocco | 10 | ..... | 10 | ..... | ..... | ..... | 40 | ..... | 40 | ..... |
| Nigeria | ..... | ..... | ..... | 85 | 85 | ..... | 75 | 75 | ..... | ..... |
| Somalia | 60 | 60 | ..... | 70 | 70 | ..... | 170 | 170 | ..... | ..... |
| Sudan | 105 | 105 | ..... | 200 | 200 | ..... | 190 | 190 | ..... | ..... |
| Tanzania | 35 | 35 | ..... | 15 | ..... | 15 | 50 | 35 | ..... | 15 |
| Uganda | ..... | ..... | ..... | ..... | ..... | ..... | 20 | 15 | 5 | ..... |
| East Asia | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 75 | 0 | 0 |
| Indonesia | ..... | ..... | ..... | ..... | ..... | ..... | 75 | 75 | ..... | ..... |
| Near East and South Asia | 995 | 995 | 0 | 775 | 775 | 0 | 1,695 | 1,595 | 100 | 0 |
| Afghanistan | 20 | 20 | ..... | 150 | 150 | ..... | 350 | 350 | ..... | ..... |
| India | 160 | 160 | ..... | 140 | 140 | ..... | 250 | 250 | ..... | ..... |
| Iran | 25 | 25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Iraq | 205 | 205 | ..... | 210 | 210 | ..... | 370 | 290 | 80 | ..... |
| Pakistan | 35 | 35 | ..... | 5 | 5 | ..... | 5 | 5 | ..... | ..... |
| Southern Yemen | ..... | ..... | ..... | 160 | 160 | ..... | 160 | 160 | ..... | ..... |
| Syria | 140 | 140 | ..... | 50 | 50 | ..... | 230 | 210 | 20 | ..... |
| United Arab Republic | 410 | 410 | ..... | 50 | 50 | ..... | 190 | 190 | ..... | ..... |
| Yemen | ..... | ..... | ..... | 10 | 10 | ..... | 140 | 140 | ..... | ..... |

[a] Rounded to the nearest five persons. Data refer to the number of persons departing for or in training but not necessarily completing training.
[b] No personnel departed for training in Communist China in 1968.
[c] No personnel departed for training in Eastern Europe in 1969.

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Table 74

Communist Economic and Military Technicians [a] in Less Developed Countries of the Free World, by Country
1969

| | Economic | | | | Military | | |
|---|---|---|---|---|---|---|---|
| | Total | USSR | Eastern Europe | Communist China | Total | USSR and Eastern Europe | Communist China |
| Total | 22,005 | 9,790 | 7,180 | 5,035 | 7,175 | 6,885 | 290 |
| Africa | 11,740 | 3,720 | 4,990 | 3,030 | 2,240 | 1,975 | 265 |
| Algeria | 2,675 | 1,880 [b] | 695 | 100 | 1,200 | 1,200 | ..... |
| Chad | 35 | 35 | ..... | ..... | ..... | ..... | ..... |
| Congo (Brazzaville) | 360 | 150 | 10 | 200 | 30 | 5 | 25 |
| Ethiopia | 180 | 100 | 80 | ..... | 5 | 5 | ..... |
| Ghana | 95 | 15 | 80 | ..... | ..... | ..... | ..... |
| Guinea | 840 | 300 | 140 | 400 | 65 | 65 | ..... |
| Kenya | 45 | 35 | 10 | ..... | ..... | ..... | ..... |
| Libya | 1,990 | ..... | 1,990 | ..... | ..... | ..... | ..... |
| Mali | 1,180 | 330 | 50 | 800 [c] | 145 | 105 | 40 |
| Mauritania | 135 | 15 | ..... | 120 | ..... | ..... | ..... |
| Morocco | 315 | 115 | 200 | ..... | 20 | 20 | ..... |
| Nigeria | 180 | 30 | 150 | ..... | 130 | 130 | ..... |
| Somalia | 360 | 280 | 5 | 75 | 180 | 180 | ..... |
| Sudan | 255 | 55 | 200 | ..... | 200 | 200 | ..... |
| Tanzania | 1,070 | 60 | 160 | 850 [d] | 235 | 35 | 200 |
| Tunisia [e] | 1,390 | 210 | 1,180 | ..... | ..... | ..... | ..... |
| Zambia | 525 | 30 | 15 | 480 | ..... | ..... | ..... |
| Other | 110 | 80 | 25 | 5 | 30 | 30 | ..... |
| East Asia | 310 | 170 | 40 | 100 | 60 | 60 | 0 |
| Burma | 30 | 30 | ..... | ..... | ..... | ..... | ..... |
| Cambodia | 230 | 120 | 10 | 100 | 30 | 30 | ..... |
| Indonesia | 50 | 20 | 30 | ..... | 30 | 30 | ..... |
| Latin America | 80 | 20 | 60 | 0 | 0 | 0 | 0 |
| Argentina | 10 | ..... | 10 | ..... | ..... | ..... | ..... |
| Brazil | 25 | ..... | 25 | ..... | ..... | ..... | ..... |
| Chile | 15 | 10 | 5 | ..... | ..... | ..... | ..... |
| Colombia | 10 | 5 | 5 | ..... | ..... | ..... | ..... |
| Mexico | 10 | 5 | 5 | ..... | ..... | ..... | ..... |
| Uruguay | 10 | ..... | 10 | ..... | ..... | ..... | ..... |
| Near East and South Asia | 9,875 | 5,880 | 2,090 | 1,905 | 4,875 | 4,850 | 25 |
| Afghanistan | 1,300 | 1,000 | 100 | 200 | 350 | 350 | ..... |
| Ceylon | 100 | 60 | 40 | ..... | ..... | ..... | ..... |
| India | 1,450 | 1,100 | 350 | ..... | 455 | 455 | ..... |
| Iran | 1,345 | 1,100 | 245 | ..... | 15 | 15 | ..... |
| Iraq | 1,040 | 500 | 540 | ..... | 320 | 320 | ..... |
| Kuwait | 35 | 15 | 20 | ..... | ..... | ..... | ..... |
| Lebanon | 25 | ..... | 25 | ..... | ..... | ..... | ..... |
| Nepal | 580 | 80 | ..... | 500 | ..... | ..... | ..... |
| Pakistan | 1,405 | 380 | 25 | 1,000 [f] | 35 | 10 | 25 |
| Southern Yemen | 85 | 50 | 25 | 10 [g] | 100 | 100 | ..... |
| Syria | 860 | 650 | 150 | 60 | 500 | 500 | ..... |
| Turkey | 55 | 45 | 10 | ..... | ..... | ..... | ..... |
| United Arab Republic | 1,285 | 800 | 470 | 15 | 3,000 | 3,000 | ..... |
| Yemen | 310 | 100 | 90 | 120 | 100 | 100 | ..... |

[a] Rounded to the nearest five persons. Data are minimum estimates of the number of persons present for a period of one month or more. Persons engaged solely in commercial activities are excluded.

[b] Including 15 Cubans.

[c] Including 30 North Vietnamese and 50 North Koreans.

[d] Including five North Koreans.

[e] According to US Embassy estimates, the number of Communist technicians in Tunisia declined by almost 700 by December 1969.

[f] Most of the Chinese in Pakistan are working on the Gilgit-Sinkiang road; other estimates are much higher.

[g] All are North Koreans.



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Table 75

Production of Sulfuric Acid [a]

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries [b] | 31,000* | 41,000* | 44,800* | 45,900* [c] | 46,600* [c] | 47,400* [c] |
| United States [d] | 16,223* | 22,544* | 25,750* | 26,141* | 25,748* | 26,076* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 7,890* | 12,800* | 13,900* | 14,400* | 15,200* | 16,100* |
| USSR | 5,398* | 8,518* | 9,367* | 9,737* | 10,159* | 10,664* |
| Eastern Europe | 2,500* | 4,230* | 4,480* | 4,700* | 5,080* | 5,440* |
| Bulgaria | 123* | 318* | 353* | 360* | 472* | 491* |
| Czechoslovakia | 553* | 933* | 982* | 1,012* | 977* | 1,034* |
| East Germany | 730* | 985* | 973* | 988* | 1,078* | 1,104* |
| Hungary [e] | 178* | 394* | 418* | 450* | 468* | 454* |
| Poland | 685* | 1,062* | 1,139* | 1,213* | 1,314* | 1,515* |
| Romania | 226* | 541* | 619* | 679* | 773* | 838* |
| Far East | | | | | | |
| Communist China | 1,350* | 2,200 | 2,300 | *N.A.* | *N.A.* | *N.A.* |
| Other | | | | | | |
| Cuba | 44* | 202 | 230 | 269 | *N.A.* | *N.A.* |
| Yugoslavia | 130* | 435* | 542* | 592* | 589* | 695* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 1,423* | 1,488* | 1,831* | Greece | 81* | 151* | *N.A.** | Portugal | 320* | 413* | 440* |
| Canada | 1,517* | 1,964* | 2,587* [f] | Italy | 2,299* | 2,979* | 3,204* | Turkey | 23* | 20* | 30* |
| Denmark | 198* | 239* | 209* [f] | Netherlands | 860* | 1,090* | 1,512* | United Kingdom | 2,772* | 3,360* | 3,220* |
| France | 2,046* | 2,916* | 3,540* | Norway | 100* | 119* | 300* | West Germany | 3,170* | 3,751* [g] | 4,464* [g] |

* *An asterisk indicates that the data are unclassified.*

[a] Pure (monohydrate) sulfuric acid (100% $H_2SO_4$).

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Excluding data for Greece.

[d] Including appreciable amounts produced in government-owned privately operated plants.

[e] Including oleum for all years except the terminal year.

[f] Data are for the previous year.

[g] Including data for West Berlin, for which separate data are not available.


Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 76

Production of Synthetic Ammonia [a]

Thousand Metric Tons of Nitrogen

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries [b] | 7,320* [c] | 12,600* | 14,400* | 16,400* | 16,900* | N.A.* |
| United States [d] | 3,595* | 6,500* | 7,926* | 9,103* | 9,023* | 9,486* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 2,340 | 5,390 | 6,320 | 7,450 | 8,390 | 9,160 |
| USSR | 1,329 | 3,557 | 4,155 | 4,903 | 5,394 | 5,664 |
| Eastern Europe | 1,010 | 1,830 | 2,160 | 2,550 | 3,000 | 3,500 |
| Bulgaria | 111* | 338* | 390* | 470* | 666* | 716* |
| Czechoslovakia | 130 | 226 | 258 | 253 | 270 | 307 |
| East Germany | 393* | 439* | 449* | 453* | 460* | 460* |
| Hungary | 67* | 173* | 214* | 237* | 285* | 349* |
| Poland | 284* | 440* | 518* | 666* | 792* | 1,043* |
| Romania | 29* | 218* | 336* | 472* | 522* | 620* |
| Far East | | | | | | |
| Communist China | 378 | N.A. | 905 | N.A. | N.A. | N.A. |
| North Korea | 111 | 120 | 120 | 140 | 195 | 240 |
| Other | | | | | | |
| Yugoslavia | 12* | 114* | 123* | 123* | 174* | 310* |

Other NATO Countries

| | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 319* | 398* | 455* | Italy | 724* | 1,035* | 1,347* | Portugal | 40* | 138* | 140* |
| Canada | N.A.* | 551* | 835* | Netherlands | 410* | 661* | 1,119* | Turkey | 0* | 36* | 34* |
| France | 724* | 1,281* | 1,474* | Norway | 265* | 340* | 391* | West Germany | 1,242* | 1,659* | 2,035* |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, nitrogen content of synthetic ammonia.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Excluding data for Canada.

[d] Synthetic anhydrous (commercial grade). To convert to actual production of synthetic ammonia, multiply by 1.2158.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 77

Production of Caustic Soda [a]

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries [b] | 6,780* | 9,500* | 10,500* [c] | 11,200* [c] | 12,200* [c] | N.A.* |
| United States | 4,511* | 6,166* | 6,910* | 7,188* | 7,983* | 8,726* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 1,420* | 2,250* | 2,420* | 2,590* | 2,770* | 2,980* |
| USSR | 704* | 1,199* | 1,282* | 1,402* | 1,525* | 1,668* |
| Eastern Europe | 717* | 1,050* | 1,140* | 1,190* | 1,250* | 1,310* |
| Bulgaria | 17* | 32* | 37* | 40* | 41* | 50* |
| Czechoslovakia | 115* | 158* | 176* | 178* | 179* | 177* |
| East Germany | 327* | 364* | 381* | 389* | 405* | 416* |
| Hungary [d] | 17* | 50* | 52* | 56* | 52* | 56* |
| Poland | 167* | 215* | 237* | 265* | 295* | 311* |
| Romania | 74* | 233* | 252* | 260* | 276* | 298* |
| Other | | | | | | |
| Cuba | 2 | 2 | 2 | 2 | *N.A.* | *N.A.* |
| Yugoslavia | 48* | 88* | 91* | 87* | 87* | 84* |

Other NATO Countries

| | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 50* | 87* | 155* | Greece | 1* | 2* | *N.A.** | Portugal | 24* | 35* | *N.A.** |
| Canada | 338* | 583* | 766* | Italy | 426* | 702* | 832* | Turkey | 2* | 2* | 3* |
| Denmark | 4* | 6* | 10* | Norway | 46* | 68* | 104* | West Germany | 776* | 1,178* | 1,503* |
| France | 597* | 671* | 869* | | | | | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Pure caustic soda (100% NaOH), including tonnage not commercialized but used on the spot for processing.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Excluding data for Greece and Portugal.

[d] Including regenerated caustic soda.


Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 78

Production of Mineral Fertilizer, Nutrient Content [a]

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries [b] | 18,700* | 28,500* | 30,400* | 32,800* | N.A.* | N.A.* |
| United States | 7,410* | 11,933* | 13,054* | 13,914* | 14,249* | 14,133* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 6,510* | 12,000* | 13,500* | 15,100* | 16,600* | 17,800* |
| USSR | 3,281* | 7,389* | 8,438* | 9,406* | 10,221* | 10,800* |
| Eastern Europe | 3,230* | 4,630* | 5,050* | 5,660* | 6,390* | 6,970* |
| Bulgaria | 126* | 354* | 394* | 443* | 640* | 684* |
| Czechoslovakia | 287* | 477* | 512* | 519* | 526* | 588* |
| East Germany | 2,166* | 2,506* | 2,604* | 2,847* | 2,990* | 3,040* |
| Hungary | 102* | 265* | 298* | 340* | 402* | 469* |
| Poland | 477* | 738* | 826* | 974* | 1,232* | 1,472* |
| Romania | 71* | 293* | 419* | 537* | 599* | 718* |
| Far East | | | | | | |
| Communist China | 494 | 880 | 1,080 | 780 | 940 | 1,150 |
| North Korea | 127 | 158 | 158 | 176 | 239 | 278 |
| Other | | | | | | |
| Albania | 0 | 0 | 2 | *N.A.* | *N.A.* | *N.A.* |
| Yugoslavia | 45* | 226* | 279* | 305* | 309* | 300* |

Other NATO Countries

| | 1960 | 1965 | 1967 | | 1960 | 1965 | 1967 | | 1960 | 1965 | 1967 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 567* | 725* | 817* | Iceland | 7* | 8* | 8* | Portugal | 120* | 194* | 200* |
| Canada | 496* | 2,545* | 3,670* | Italy | 1,110* | 1,590* | 1,811* | Turkey | 7* | 70* | 67* |
| Denmark | 79* | 124* | 143* | Luxembourg | 128* | 130* | 125* | United Kingdom | 841* | 1,086* | 1,285* |
| France | 3,021* | 4,161* | 4,520* | Netherlands | 658* | 765* | 1,101* | West Germany | 3,897* | 4,610* | 4,457* |
| Greece | 55* | 126* | 246* | Norway | 326* | 426* | 443* | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Nitrogen fertilizer (in terms of nitrogen), phosphorous fertilizer (in terms of phosphoric anhydride), and potassium fertilizer (in terms of potassium oxide).

[b] Data are "fertilizer years"—in general, the year beginning 1 July of the stated year.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 79

Production of Mineral Fertilizer in the US and the USSR
(In Terms of Soviet Statistical Reporting Units [a])

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| United States [b] | 32,320 | 53,797 | 58,929 | 64,083 | 65,524 | 65,431 |
| USSR | 13,867 | 31,253 | 35,866 | 40,083 | 43,469 | 46,000 |

[a] Soviet production of fertilizer is usually reported as follows: nitrogen fertilizer on the basis of fertilizer containing 20.5% nitrogen, potassium fertilizer on the basis of 41.6% potassium oxide, and most types of phosphorous fertilizer on the basis of 18.7% phosphoric anhydride. In addition, total production includes an insignificant quantity of microfertilizer.

[b] Data are based on US production given in pure nutrients and recomputed to conform to the Soviet method for expressing production. Data for the United States are "fertilizer years" beginning 1 July of the stated year.

Table 80

Production of Plastics in the US and the USSR

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| United States [a] | 2,851 | 5,300 | 6,162 | 6,256 | 7,421 | 8,405 |
| USSR | 312 | 803 | 971 | 1,114 | 1,291 | 1,452 |

[a] Dry basis, excluding water, solvents, and other liquid diluents.

Table 81

Production of Natural Rubber in Selected Countries

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| Cambodia | 37.1 | 48.9 | 51.1 | 53.7 | 51.1 | 51.8 |
| Ceylon | 98.8 | 118.3 | 131.0 | 143.2 | 148.7 | 150.8 |
| India | 25.2 | 49.4 | 53.2 | 62.5 | 68.8 | 76.6 |
| Indonesia [a] | 620.2 | 717.0 | 715.7 | 760.0 | 750.0 | 760.0 |
| Malaysia [b] | 785.4 | 949.2 | 998.3 | 998.1 | 1,109.9 | 1,278.2 |
| South Vietnam | 76.6 | 61.0 | 48.8 | 40.6 | 29.7 | 27.1 |
| Thailand [a] | 170.8 | 217.4 | 218.0 | 220.0 | 258.8 | 266.0 |

[a] Exports plus estimated consumption.

[b] Including data for Malaya and Singapore, Sarawak, and Sabah.



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Table 82

Production of Synthetic Rubber

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries[a] | 1,890* | 2,780* | 3,010* | 2,990* | 3,370* | 3,690* |
| United States | 1,459* | 1,842* | 2,002* | 1,943* | 2,165* | 2,274* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 455 | 765 | 830 | 925 | 957 | 1,040 |
| USSR | 347 | 570 | 627 | 690 | 725 | 785 |
| Eastern Europe | 108 | 195* | 203* | 235* | 232* | 254* |
| Czechoslovakia | 1 | 30* | 30* | 34* | 36* | 41* |
| East Germany[b] | 87* | 95* | 101* | 110* | 101* | 110* |
| Poland | 20* | 39* | 37* | 40* | 41* | 48* |
| Romania | 0* | 31* | 35* | 51* | 54* | 55* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 0* | 20* | 36* | Italy | 67* | 120* | 135* | United Kingdom | 92* | 175* | 272* |
| Canada | 162* | 206* | 197* | Netherlands | 12* | 102* | 210* | West Germany | 81* | 164* | 292* |
| France | 17* | 148* | 272* | | | | | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Including only data for the United States and those countries listed under "Other NATO Countries."

[b] Including Pervinan and Plastikator.

Table 83

Production of Rubber Tires[a] in the United States and Selected Communist Countries

Thousand Units

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| United States | 123,059* | 172,532* | 183,229* | 168,746* | 208,682* | 213,827* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 23,400* | 37,100* | 39,300* | 42,000* | 45,100* | 47,400* |
| USSR | 17,255* | 26,434* | 27,656* | 29,635* | 31,773* | 32,600* |
| Eastern Europe | 6,140* | 10,600* | 11,600* | 12,300* | 13,300* | 14,800* |
| Bulgaria | 196* | 349* | 397* | 378* | 348* | 316*[b] |
| Czechoslovakia[c] | 1,324* | 1,792* | 1,994* | 2,195* | 2,396* | 2,635* |
| East Germany[d] | 2,714* | 3,750* | 3,930* | 4,204* | 4,340* | 4,546* |
| Hungary[b] | 336* | 581* | 644* | 699* | 591* | 598* |
| Poland | 1,223*[e] | 2,818* | 3,031* | 3,082* | 3,721* | 4,540* |
| Romania[f] | 352* | 1,329* | 1,640* | 1,760* | 1,929* | 2,147* |
| Other | | | | | | |
| Cuba | 343* | 197 | 306 | 414 | *N.A.* | *N.A.* |
| Yugoslavia[g] | 391* | 955* | 1,613* | 1,578* | 1,780* | 2,294* |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for all motor vehicle tires, excluding aircraft and bicycle tires.

[b] Excluding motorcycle tires.

[c] Excluding motorcycle and bus tires and, beginning in 1966, tractor tires.

[d] Including solid rubber tires.

[e] Excluding motorcycle, tractor, and agricultural tires.

[f] Including aircraft tires.

[g] Automobile, motorcycle, and aircraft tires only.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Table 84

Production of Primary Energy[a]

Million Metric Tons of Coal Equivalents

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries[b] | 2,130* | 2,510* | 2,600* | 2,710* | 2,740* | 2,840* |
| United States | 1,429.3* | 1,718.6* | 1,814.1* | 1,917.0* | 1,945.9* | 2,006.9* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 937 | 1,270* | 1,340 | 1,400 | 1,460 | 1,530 |
| USSR | 662.7* | 942.5* | 1,006.5* | 1,062.8* | 1,112.1* | 1,167.8* |
| Eastern Europe | 275 | 329* | 334 | 335 | 348 | 363 |
| Bulgaria | 7.7* | 9.4* | 9.6* | 10.2* | 10.5 | 10.3 |
| Czechoslovakia | 50.9* | 61.9* | 61.1* | 59.3* | 60.7 | 64.4 |
| East Germany | 73.6 | 81.4* | 80.8 | 78.7 | 80.1 | 79.0 |
| Hungary | 14.8* | 18.3* | 18.3* | 17.9* | 19.1* | 19.5* |
| Poland | 93.5* | 110.9* | 114.3* | 116.0* | 122.3* | 130.6* |
| Romania | 34.2* | 46.8* | 49.4* | 52.9* | 55.8* | 59.4* |
| Far East | | | | | | |
| Communist China | 207.7 | 205.2 | 226.4 | 183.4 | 193.5 | 241.5 |
| North Korea | 14.1* | 21.3 | 21.4 | 23.5 | 25.9 | 26.9 |
| North Vietnam | 2.4 | 3.7 | 3.8 | 2.3 | 2.8 | 2.6 |
| Other | | | | | | |
| Albania | 1.1* | 1.4 | 1.5 | 1.6 | 1.7 | 2.0 |
| Yugoslavia | 15.5* | 21.3* | 21.4* | 20.8* | 21.6* | 22.3* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium[c] | 22.6* | 20.5* | 13.8* | Iceland | 0.3* | 0.4* | 0.4* | Portugal | 2.2* | 2.6* | 3.5* |
| Canada | 120.1* | 183.7* | 241.9* | Italy | 37.7* | 41.2* | 47.0* | Turkey | 5.3* | 8.6* | 12.6* |
| Denmark | 0.8* | 0.7* | 0.4* | Netherlands | 15.5* | 16.9* | 40.2* | United Kingdom | 199.8* | 202.1* | 179.2* |
| France | 86.2* | 90.0* | 86.1* | Norway | 17.4* | 27.3* | 31.8* | West Germany | 188.7* | 190.5* | 173.1* |
| Greece | 1.5* | 2.1* | 2.8* | | | | | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Data are for coal, crude oil, natural gas, and hydroelectric power expressed in terms of coal equivalents (calorific value of 7,000 kilocalories per kilogram), and exclude minor fuels such as peat, shale, and fuelwood.

[b] The following coefficients were used to convert the sources of primary energy into hard coal equivalents: coal (metric tons), 1.0; brown coal and lignite (metric tons), 0.29; crude oil (metric tons), 1.3; crude natural gasoline (metric tons), 1.5; natural gas (1,000 cubic meters), 1.33; and hydroelectricity (1,000 kilowatt-hours), 0.55. Production of geothermal and nuclear electric power is included at the same ratio as hydroelectricity.

[c] Including data for Luxembourg.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 85

Production of Hard Coal[a]

Million Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries[b] | 836* | 898* | 889* | 883* | 857* | 837* |
| United States | 391.5* | 475.3* | 492.6* | 508.4* | 500.7* | 491.3* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 516* | 588* | 601* | 614* | 624* | 644 |
| USSR | 374.9* | 427.9* | 439.2* | 451.4* | 455.7* | 470.0 |
| Eastern Europe | 141* | 160* | 162* | 163* | 168* | 174 |
| Bulgaria | 0.6* | 0.6* | 0.5* | 0.5* | 0.4* | 0.4 |
| Czechoslovakia | 26.2* | 27.6* | 26.7* | 25.9* | 25.9* | 27.1 |
| East Germany | 2.7* | 2.2* | 2.0* | 1.8* | 1.6* | Negl. |
| Hungary | 2.8* | 4.4* | 4.4* | 4.1* | 4.2* | 4.1* |
| Poland | 104.4* | 118.8* | 122.0* | 123.9* | 128.6* | 135.0* |
| Romania | 4.5* | 6.0* | 6.3* | 6.7* | 7.2* | 7.7 |
| Far East | | | | | | |
| Communist China[c] | 280.0* | 220.0* | 240.0* | 190.0* | 200.0* | 250.0* |
| North Korea | 6.8* | 12.4* | 14.0* | 15.4* | 18.6* | 18.6 |
| North Vietnam | 2.6 | 4.0 | 4.1 | 2.5 | 3.0 | 2.8 |
| Other | | | | | | |
| Yugoslavia | 1.3* | 1.2* | 1.1* | 0.9* | 0.8* | 0.7* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 22.5* | 19.8* | 13.2* | Netherlands[d] | 12.5* | 11.4* | 5.6* | Turkey | 3.7* | 4.4* | 4.8*[f] |
| Canada | 8.0* | 8.6* | 7.8* | Norway[e] | 0.4* | 0.4* | 0.4* | United Kingdom[g] | 196.7* | 190.5* | 161.1* |
| France | 56.0* | 51.4* | 40.6* | Portugal | 0.4* | 0.4* | 0.4* | West Germany[d] | 143.3* | 135.5* | 111.6* |
| Italy | 0.7* | 0.4* | 0.3* | | | | | | | | |

Other Free World Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Australia[h] | 22.9* | 31.9* | 46.1* | Japan | 51.1* | 49.5* | 44.6* | Spain | 13.8* | 12.9* | 11.6* |
| India | 52.6* | 67.2* | 73.5* | | | | | | | | |

* *An asterisk indicates that the data are unclassified.*
[a] Unless otherwise indicated, data are for anthracite and bituminous coal.
[b] Including only data for the United States and those countries listed under "Other NATO Countries."
[c] Including a negligible amount of brown coal.
[d] Including low-quality coal at its hard-coal equivalent.
[e] Data are for Norwegian mines in Svalbard only.
[f] Data are for the previous year.
[g] Excluding data for Northern Ireland.
[h] Including waste.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 86

Production of Brown Coal and Lignite

Million Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries[a] | 111* | 121* | 118* | 118* | 124* | 131* |
| United States | 2.5* | 2.8* | 3.5* | 4.1* | 4.4* | 4.6* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 470* | 553* | 550* | 539* | 548* | 558 |
| USSR | 134.7* | 149.8* | 146.4* | 143.8* | 138.3* | 138.0 |
| Eastern Europe | 336* | 403* | 404* | 395* | 410* | 420* |
| Bulgaria | 15.4* | 24.5* | 24.7* | 26.7* | 28.3* | 28.7* |
| Czechoslovakia | 57.9* | 72.3* | 72.4* | 70.9* | 74.4* | 79.0* |
| East Germany | 225.5* | 250.8* | 249.0* | 242.0* | 247.1* | 248.0* |
| Hungary | 23.7* | 27.1* | 26.0* | 23.0* | 23.0* | 22.4* |
| Poland | 9.3* | 22.6* | 24.5* | 23.9* | 26.9* | 30.9* |
| Romania | 3.7* | 6.1* | 7.1* | 8.3* | 9.8* | 11.5* |
| Far East[b] | | | | | | |
| North Korea[c] | 3.5* | 5.0* | 5.5* | 6.0* | 7.0* | 7.0 |
| Other | | | | | | |
| Albania | 0.3* | 0.3* | 0.4* | 0.4 | 0.5 | 0.6 |
| Yugoslavia | 21.4* | 28.8* | 28.2* | 25.6* | 25.9* | 25.8* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Canada | 2.0* | 1.9* | 1.7* | Greece | 2.5* | 5.1* | 6.7* | Turkey | 1.9* | 3.1* | 4.1*[d] |
| Denmark | 2.3* | 2.1* | 1.2*[d] | Italy | 0.8* | 1.0* | 1.9* | West Germany | 96.1* | 101.9* | 107.4* |
| France | 2.3* | 2.7* | 3.0* | Portugal | 0.2* | 0.1* | *Negl.** | | | | |

Other Free World Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Australia | 15.2* | 21.0* | 23.3* | Japan | 1.4* | 0.6* | 0.2* | Spain | 1.8* | 2.8* | 2.8* |
| Austria | 6.0* | 5.4* | 3.8* | New Zealand | 2.2* | 2.0* | 1.9* | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Including only data for the United States and those countries listed under "Other NATO Countries."

[b] Negligible production for Communist China.

[c] Including unknown amounts of hard coal.

[d] Data are for the previous year.


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Table 87

Production of Metallurgical Coke [a]

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries [b] | 149,000* | 157,000* | 153,000* | 144,000* | 146,000* | 150,000* |
| United States | 51,917* | 60,649* | 61,146* | 58,586* | 57,745* | 58,717* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 73,100* | 86,900* | 87,700* | 88,900* | 91,200* | N.A. |
| USSR | 56,233* | 67,500* | 68,500* | 69,900* | 71,500* | 73,500* |
| Eastern Europe | 16,900* | 19,400* | 19,200* | 19,000* | 19,700* | N.A. |
| Bulgaria | 20* [c] | 733* | 800* | 803* | 817* | *N.A.* |
| Czechoslovakia | 6,842* | 7,875* | 7,732* | 7,184* | 7,518* | 7,900* |
| East Germany | 1,008* | 1,051* | 1,060* | 1,087* | 1,093* | *N.A.* |
| Hungary [d] | 499* | 642* | 646* | 649* | 500* | 512* |
| Poland | 7,684* | 7,994* | 7,890* | 8,193* | 8,600* | 8,900* |
| Romania | 820* | 1,135* | 1,103* | 1,131* | 1,133* | 939* |
| Far East | | | | | | |
| Communist China [e] | 25,000 | 7,788 | 9,735 | 9,100 | 9,800 | 10,100 |
| North Vietnam | *N.A.* | 100 | 100 | 25 | 25 | 25 |
| Other | | | | | | |
| Yugoslavia | 1,083* | 1,267* | 1,229* | 1,219* | 1,234* | 1,226* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 7,540* | 7,334* | 7,248* | Italy | 3,715* | 5,737* | 6,696* | United Kingdom | 19,136* | 17,381* | 16,900* |
| Canada [f] | 3,514* | 3,963* | 4,451* | Netherlands [f] | 4,517* | 4,285* | 2,004* | West Germany [h] | 44,681* | 43,294* | 39,012* |
| France [f] | 13,635* | 13,409* | 13,536* | Turkey | 529* | 1,431* [f] | 1,430* [f g] | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for oven and beehive coke and exclude breeze coke.

[b] Net production, excluding coke consumed by coking plants and including only data for the United States and those countries listed under "Other NATO Countries."

[c] Data include foundry coke, not suitable for blast furnaces.

[d] A large part of this coke is produced in gas plants and is used with high-quality coke in charging blast furnaces.

[e] Excluding coke made in beehive, clamp, native, and "small modern" furnaces.

[f] Including breeze coke.

[g] Data are for the previous year.

[h] Including electrode coke but excluding low-temperature coke.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 88

Production of Crude Oil[a]

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries[b c] | 386,000* | 441,000* | 469,000* | 500,000* | 519,000* | 527,000* |
| United States | 347,975* | 384,946* | 409,170* | 434,705* | 449,885* | 454,584* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 161,000* | 258,000* | 281,000 | 304,000 | 326,000 | 344,000 |
| USSR | 147,859* | 242,888* | 265,125* | 288,068* | 309,150* | 328,000* |
| Eastern Europe | 13,200* | 15,200* | 15,600 | 16,200 | 16,400 | 16,100 |
| Bulgaria | 200* | 229* | 404* | 499* | 475* | 325* |
| Czechoslovakia | 137* | 192* | 190* | 200* | 205* | 200 |
| East Germany | *Negl.** | 60* | 125 | 150 | 150 | 150 |
| Hungary | 1,217* | 1,803* | 1,706* | 1,686* | 1,807* | 1,754* |
| Poland | 194* | 339* | 400* | 450* | 475* | 438* |
| Romania | 11,500* | 12,571* | 12,825* | 13,206* | 13,285* | 13,246* |
| Far East | | | | | | |
| Communist China[c d] | 4,600 | 8,000 | 10,000 | 10,000 | 11,000 | 14,000 |
| Other | | | | | | |
| Albania | 728* | 820* | 886* | 983* | 1,038 | 1,172 |
| Cuba | 25* | 57* | 69* | 116* | *N.A.* | *N.A.* |
| Yugoslavia | 944* | 2,063* | 2,222* | 2,374* | 2,494* | 2,699* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Canada | 25,630* | 39,457* | 54,732* | Netherlands | 1,918* | 2,395* | 2,016* | United Kingdom | 146* | 82* | 80*[e] |
| France | 1,983* | 2,988* | 2,496* | Turkey | 375* | 1,533* | 3,588* | West Germany | 5,530* | 7,884* | 7,872* |
| Italy | 1,998* | 2,207* | 1,536* | | | | | | | | |

Other Free World Countries[c]

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Argentina | 8,898* | 13,672* | 18,084* | Kuwait | 81,867* | 109,045* | 129,444* | Qatar | 8,212* | 10,961* | 17,340* |
| Colombia | 7,584* | 10,124* | 10,692* | Kuwait (neutral zone) | 7,289* | 19,349* | 24,132* | Saudi Arabia | 62,068* | 101,033* | 146,628* |
| Indonesia | 20,596* | 23,920* | 29,712*[e] | Mexico | 14,171* | 16,874* | 20,345*[e] | Venezuela | 149,372* | 182,409* | 188,124* |
| Iran | 52,392* | 94,126* | 166,872* | | | | | | | | |
| Iraq | 47,467* | 64,474* | 74,472* | | | | | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for crude oil and exclude shale oil, natural gasoline and synthetic crude oil.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Including shale oil.

[d] Including small quantities of synthetic crude oil.

[e] Data are for the previous year.


Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 89

Production of Petroleum Products[a]

Million Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries[b] | 547* | 766* | 822* | 870* | 938* | N.A.* |
| United States | 356.8* | 420.3* | 438.1* | 457.5* | 481.2* | 495.0* |
| Communist Countries[c] | | | | | | |
| USSR and Eastern Europe | 134 | 206 | 221 | 240 | 258 | 277 |
| USSR | 113.9 | 172.4 | 185.4 | 202.2 | 215.7 | 230.0 |
| Eastern Europe | 20.1 | 33.1 | 35.3 | 37.9 | 42.3 | 47.3 |
| Bulgaria | 0.1 | 2.2* | 2.7 | 3.0 | 3.3 | 4.5 |
| Czechoslovakia | 2.6 | 5.8 | 6.0 | 7.1 | 7.7 | 8.8 |
| East Germany | 3.1 | 6.0 | 7.0 | 7.2 | 7.7 | 8.6 |
| Hungary | 2.5* | 3.9* | 4.1 | 4.3 | 4.8 | 5.2 |
| Poland | 0.8* | 3.4* | 3.6* | 4.1* | 6.1* | 6.5 |
| Romania | 11.0 | 11.8 | 11.9 | 12.2 | 12.7 | 13.7 |
| Far East | | | | | | |
| Communist China | 4.7 | 7.2 | 9.0 | 8.9 | 9.8 | 12.5 |
| Other | | | | | | |
| Albania | 0.3 | 0.5 | 0.5 | 0.6 | 0.7 | 0.8 |
| Cuba | 3.1* | 3.7 | 3.8 | 4.0 | 4.0 | 4.1 |
| Yugoslavia | 1.3* | 2.9* | 4.1* | 4.5* | 4.5* | 5.7* |

Other NATO Countries

| | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 6.6* | 14.8* | 21.4* | Greece | 1.6* | 1.8* | 4.1* | Portugal | 1.3* | 1.6* | 1.7* |
| Canada | 35.6* | 44.0* | 53.6* | Italy | 29.0* | 65.2* | 87.7* | Turkey | 0.3* | 4.2* | 6.3* |
| Denmark | *Negl.** | 3.6* | 6.6* | Netherlands | 18.5* | 29.1* | 36.5* | United Kingdom | 40.9* | 60.9* | 77.0* |
| France | 29.8*[d] | 56.8* | 74.6* | Norway | 0.1* | 2.8* | 4.6* | West Germany | 26.2* | 60.9* | 82.4* |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for (where produced) gasoline, kerosine, distillate fuel oil, lubricating oil, residual and other petroleum products, natural gasoline, and liquefied petroleum gases. Data exclude some minor miscellaneous products such as white spirits and asphalt.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Data include products from indigenous and imported natural crude oil and from synthetic sources. Synthetic production is not included in production for the USSR.

[d] Including data for Algeria.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 90

Production of Natural Gas [a]

Million Cubic Meters

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries [b] | 384,000* | 513,000* | 552,000* | 589,000* | 638,000* | 693,000* |
| United States [c] | 359,673* | 454,198* | 487,240* | 514,557* | 547,152* | 583,390* |
| Communist Countries [d] | | | | | | |
| USSR and Eastern Europe | 57,800* | 148,000* | 166,000 | 183,000 | 198,000 | 214,000 |
| USSR [c] | 45,303* | 127,666* | 142,962* | 157,445* | 169,101* | 181,300* |
| Eastern Europe | 12,500* | 20,800* | 22,700 | 25,700 | 28,800 | 32,600 |
| Bulgaria | 0* | 73* | 109* | 329* | 506* | 550 |
| Czechoslovakia | 1,294* | 752* | 811* | 1,016* | 1,060* | 950 |
| East Germany | 26* | 133* | 150 | 200 | 200 | 200 |
| Hungary | 342* | 1,108* | 1,552* | 2,045* | 2,691* | 3,235* |
| Poland | 541* | 1,312* | 1,290* | 1,463* | 2,402* | 3,760* |
| Romania | 10,330* | 17,452* | 18,789* | 20,694* | 21,935* | 23,873* |
| Other | | | | | | |
| Yugoslavia | 53* | 330* | 402* | 461* | 584* | 730* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Canada | 14,521* | 40,925* | 61,296* | Italy | 6,447* | 7,802* | 11,796* | West Germany | 448* [e] | 2,798* | 6,488* [f] |
| France | 2,846* | 5,048* | 6,516* | Netherlands | 330* | 1,743* | 24,000* | | | | |

Other Free World Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Argentina | 1,383* | 4,222* | 5,346* [f] | Mexico [g] | 9,665* | 13,965* | 17,028* | Venezuela | 4,606* | 6,538* | 7,754* [f] |
| Japan | 676* | 1,726* | 2,160* | | | | | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Data include only gas from natural gas wells and associated gas from petroleum fields.

[b] Including only data for the United States and those countries listed under "Other NATO Countries." Data are for net production—that is, for gas actually collected and utilized as fuel or raw material. They thus exclude gas used for repressuring, as well as gas flared, vented, or otherwise wasted, whether or not it has first been processed for the extraction of natural gasoline.

[c] Data for the United States are in terms of net marketed production and agree with the general definition for the NATO data. Data for the USSR are believed to refer to gross production less losses and waste. US gross production (less losses and waste), which would include gas returned to reservoirs in order to maintain horizon pressure would be as follows (in billion cubic meters):

| 1960 | 1965 | 1966 | 1967 | 1968 |
|---|---|---|---|---|
| 411 | 500 | 528 | 560 | 589 |

A much smaller share of total production in the USSR is believed to be used for repressuring.

[d] Gross production.

[e] Production from gasfields only.

[f] Data are for the previous year.

[g] Including gas used for repressuring and gas wasted.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 91

Production of Electric Power [a]

Billion Kilowatt-Hours

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries [b] | 1,470* | 2,050* | 2,190* | 2,310* | 2,510* | 2,710* |
| United States | 893.72* | 1,229.64* | 1,328.21* | 1,398.98* | 1,526.21* | 1,649.06* |
| Of which: hydro | 149.12* | 196.98* | 197.94* | 224.95* | 225.87* | 253.36* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 406* | 677* | 730* | 788* | 855* | 919* |
| USSR | 292.27* | 506.67* | 544.57* | 587.70* | 638.66* | 689.00* |
| Of which: hydro | 50.91* | 81.43* | 91.82* | 88.57* | 104.04* | 114.00* |
| Eastern Europe | 114* | 170* | 185* | 200* | 217* | 230* |
| Bulgaria | 4.66* | 10.24* | 11.76* | 13.63* | 15.45* | 17.23* |
| Czechoslovakia | 24.45* | 34.19* | 36.47* | 38.61* | 41.39* | 42.03* |
| East Germany | 40.30* | 53.61* | 56.87* | 59.69* | 63.23* | 65.46* |
| Hungary | 7.62* | 11.18* | 11.86* | 12.49* | 13.16* | 14.07* |
| Poland | 29.26* | 43.77* | 47.36* | 51.24* | 55.50* | 60.04* |
| Romania | 7.65* | 17.22* | 20.81* | 24.77* | 27.83* | 31.49* |
| Far East | | | | | | |
| Communist China | 47* | 42* | 47* | 41* | 44* | 50* |
| North Korea | 9.14* | 13.4* | 12.5* | 14.0* | 14.0* | 15.5* |
| North Vietnam | 0.26* | 0.60 | 0.55 | 0.45 | 0.50 | 0.55 |
| Other | | | | | | |
| Albania | 0.19* | 0.35* | 0.44* | 0.59* | 0.71* | 0.93* |
| Cuba | 2.98* | 3.56* | 3.66* | 4.06* | 4.20* | *N.A.* |
| Yugoslavia | 8.93* | 15.52* | 17.17* | 18.70* | 20.64* | 22.95* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 15.15* | 21.71* | 29.12* | Iceland | 0.55* | 0.68* | 0.75* | Portugal | 3.26* | 4.64* | 6.85* |
| Canada | 115.10* | 146.31* | 193.68* | Italy | 56.24* | 82.97* | 110.36* | Turkey | 2.82* | 4.95* | 7.71* |
| Denmark | 5.57* | 7.93* | 18.02* | Luxembourg | 1.54* | 2.30* | 2.21* | United Kingdom | 136.97* | 195.99* | 231.15* |
| France | 75.01* | 105.52* | 136.66* | Netherlands | 16.52* | 25.01* | 37.13* | West Germany | 116.42* | 168.76* | 220.48* |
| Greece | 2.29* | 4.38* | 8.47* | Norway | 31.14* | 49.06* | 57.19* | | | | |

Other Free World Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| India [c] | 20.12* | 36.82* | 54.00* | Spain | 18.61* | 31.72* | 51.91* | Sweden | 34.72* | 49.11* | 58.01* |
| Japan | 111.49* | 188.38* | 311.10* | | | | | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Data are for total (gross) production at generating centers and therefore include transmission losses and station use. (See footnote b.)

[b] Data are gross production or estimates of gross production based on reported net, adjusted by increasing by 7.5% the thermal electric production to include production that is consumed by the station itself. Hydroelectric production that is consumed by the station itself is a negligible part of the total gross production. Therefore, no attempt has been made to adjust the net production for hydroelectric power.

[c] Data are for the year beginning 1 April of the stated year.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

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Table 92

Installed Electric Power Generating Capacity[a] in Selected Free World and Communist Countries

Thousand Kilowatts

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| FREE WORLD COUNTRIES | | | | | | |
| United States | 186,534* | 254,519* | 266,816* | 288,185* | 310,181* | 331,905*[b] |
| Canada | 23,035* | 29,348* | 30,765* | 32,965* | 35,998* | *N.A.*[b] |
| France | 21,851* | 28,209* | 30,217* | 31,613* | 34,260* | *N.A.*[b] |
| Italy | 17,686* | 25,398* | 26,757* | 28,759* | 30,264* | *N.A.*[b] |
| United Kingdom | 36,702* | 49,346* | 51,810* | 55,732* | 60,000* | 62,000*[b] |
| West Germany | 27,097* | 40,123* | 42,434* | 45,495* | 47,200* | *N.A.*[b] |
| India[c] | 5,650* | 10,173* | 11,442* | 13,329* | 14,300* | 15,930*[b] |
| Japan[c] | 23,657* | 41,016* | 44,952* | 49,545* | 53,187* | *N.A.*[b] |
| COMMUNIST COUNTRIES | | | | | | |
| USSR and Eastern Europe | | | | | | |
| USSR | 66,721* | 115,033* | 123,007* | 131,727* | 142,504* | 154,500*[b] |
| Eastern Europe | | | | | | |
| Bulgaria | 925* | 2,155* | 2,641* | 2,865* | 3,462* | 3,940* |
| Czechoslovakia | 5,662* | 8,206* | 9,149* | 9,589* | 10,071* | 10,225* |
| East Germany | 7,904* | 10,350* | 11,067* | 11,522* | 11,673* | 12,120*[b] |
| Hungary | 1,479* | 1,998* | 2,007* | 2,060* | 2,601* | 2,711* |
| Poland | 6,316* | 9,672* | 9,920* | 10,933* | 11,591* | 12,861* |
| Romania | 1,779* | 3,258* | 4,471* | 5,198* | 5,611* | 6,400* |
| Far East | | | | | | |
| Communist China | 10,900* | 13,700 | 14,600 | 15,300 | 15,600 | 16,400 |
| North Korea | 1,789 | 2,375 | 2,475 | 2,625 | 2,725 | 2,800 |
| North Vietnam[d] | 110 | 175 | 187 | 187 | 187 | 187 |
| Other | | | | | | |
| Cuba | 935* | 965* | 1,105* | 1,195* | 1,335* | 1,350* |
| Yugoslavia | 2,402* | 3,728* | 4,268* | 4,480* | 4,876* | 5,613* |

* *An asterisk indicates that the data are unclassified.*

[a] All plants for both public and industrial use. Unless otherwise indicated, data are as of the end of the year.

[b] Nuclear generating capacity installed as of 1969 was as follows (in thousand kilowatts): United States, 3,980; Canada, 230; France, 1,585; Italy, 627; United Kingdom, 4,163; West Germany, 840; India, 380; Japan, 178; USSR, 1,615; and East Germany, 70.

[c] Data are for the year beginning 1 April of the stated year.

[d] Percentage out of operation as a result of bomb damage is as follows: 1965, 27%; 1966, 32%; 1967, 65%; 1968, 45%; and 1969, 40%.


Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

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Table 93

Production of Crude Steel [a]

Million Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries [b] | 194* | 244* | 243* | 241* | 257* | 274* |
| United States [c] | 90.07* | 119.26* | 121.65* | 115.41* | 119.26* | 127.98* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 86.5* | 120* | 128* | 135* | 142* | 147* |
| USSR | 65.29* | 91.02* | 96.91* | 102.22* | 106.54* | 110.00* |
| Eastern Europe | 21.2* | 28.7* | 30.6* | 33.2* | 35.4* | 37.0* |
| Bulgaria [d] | 0.30* | 0.65* | 0.76* | 1.30* | 1.52* | 1.57* |
| Czechoslovakia | 6.77* | 8.60* | 9.12* | 10.00* | 10.56* | 10.80* |
| East Germany | 3.75* | 4.37* | 4.48* | 4.59* | 4.70* | 4.82* |
| Hungary | 1.89* | 2.52* | 2.65* | 2.74* | 2.90* | 3.03* |
| Poland | 6.68* | 9.09* | 9.85* | 10.45* | 11.01* | 11.29* |
| Romania | 1.81* | 3.43* | 3.67* | 4.09* | 4.75* | 5.54* |
| Far East | | | | | | |
| Communist China | 18.45* | 11 | 12 | 10 | 12 | 13 |
| North Korea | 0.64* | 1.23 | 1.30 | 1.50 | 1.60 | 1.80 |
| Other | | | | | | |
| Cuba | *N.A.* | 0.03 | 0.06* | 0.12* | *N.A.* | *N.A.* |
| Yugoslavia | 1.44* | 1.77* | 1.87* | 1.83* | 2.00* | 2.08* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 7.18* | 9.16* | 12.80* | Italy | 8.23* | 12.68* | 16.48* | Portugal | *Negl.** | 0.27* | 0.39* |
| Canada | 5.27* | 9.13* | 9.01* | Luxembourg | 4.08* | 4.58* | 5.52* | Turkey | 0.28* | 0.45* | 0.57* [e] |
| Denmark | 0.32* | 0.41* | 0.48* | Netherlands | 1.94* | 3.14* | 4.67* | United Kingdom | 24.70* | 27.44* | 27.13* |
| France | 17.28* | 19.60* | 22.51* | Norway | 0.48* | 0.69* | 0.82* | West Germany | 34.10* | 36.82* [f] | 45.31* [f] |
| Greece | 0.06* | 0.21* | 0.21* [e] | | | | | | | | |

Other Free World Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Australia | 3.75* | 5.46* | 7.02* | Japan | 22.14* | 41.16* | 82.16* | Sweden | 3.22* | 4.73* | 5.32* |
| India | 3.29* | 6.41* [g] | 6.49* [g] | South Africa | 2.11* [h] | 3.29* | 4.63* | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for ingots and steel for castings.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Excluding steel for castings made in foundries operated by companies not producing ingots.

[d] Including an estimate for steel for castings for all years.

[e] Data are for the previous year.

[f] Including data for West Berlin, for which separate data are not available.

[g] Ingots only.

[h] Including finished castings for sale.



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ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 94

Production of Rolled Steel [a]

Million Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries [b] | 151 | 188 | 186 | 183 | 199 | N.A. |
| United States | 69.35 | 90.09 | 90.00 | 84.45 | 89.92 | *N.A.* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 65.1 | 90.6 | 97.6 | 104 | 110 | 113 |
| USSR | 50.96 | 70.91 | 76.65 | 81.71 | 85.30 | 87.50 |
| Eastern Europe | 14.1 | 19.7 | 21.0 | 22.4 | 24.4 | 25.5 |
| Bulgaria | 0.19 | 0.43 | 0.48 | 0.61 | 1.03 | 1.22 |
| Czechoslovakia | 4.48 | 6.09 | 6.52 | 7.12 | 7.51 | 7.50 |
| East Germany | 2.61 | 2.99 | 3.05 | 3.08 | 3.16 | 3.25 |
| Hungary | 1.19 | 1.70 | 1.73 | 1.76 | 1.98 | 2.02 |
| Poland | 4.42 | 6.13 | 6.58 | 6.95 | 7.33 | 7.66 |
| Romania | 1.25 | 2.35 | 2.59 | 2.91 | 3.39 | 3.82 |
| Other | | | | | | |
| Yugoslavia | 0.97 | 1.19 | 1.23 | 1.18 | 1.51 | 1.66 |

Other NATO Countries

| | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium [c] | 5.88 | 7.72 | 9.37 | Italy | 7.78 | 10.62 | 14.05 | Portugal | *N.A.* | 0.23 | 0.29 |
| Canada | 4.13 | 6.72 | 7.56 | Luxembourg | 3.22 | 3.60 | 3.78 | Turkey | 0.21 | 0.40 | 0.49 |
| Denmark | 0.22 | 0.29 | 0.41 | Netherlands | 1.69 | 2.38 | 3.03 | United Kingdom | 18.41 | 20.76 | 20.26 |
| France | 13.70 | 15.72 | 16.41 | Norway | 0.33 | 0.53 | 0.65 | West Germany | 25.84 | 28.48 | 32.42 |

Other Free World Countries

| | 1960 | 1965 | 1968 |
|---|---|---|---|
| Japan | 17.20 | 33.42 | 55.69 |

[a] Unless otherwise indicated, data are for hot-rolled steel.
[b] Including only data for the United States and those countries listed under "Other NATO Countries."
[c] Including steel forgings and rolled wrought-iron products.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED
CLASSIFIED MATERIAL ON THE REVERSE



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Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 95

Production of Pig Iron and Blast-Furnace Ferroalloys[a]

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries[b] | 136,000* | 169,000* | 169,000* | 169,000* | 179,000* | 191,000* |
| United States | 61,072* | 80,584* | 83,605* | 79,505* | 81,042* | 86,391* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 60,200* | 84,100* | 89,300* | 95,600* | 100,000* | 104,000* |
| USSR | 46,757* | 66,184* | 70,264* | 74,812* | 78,788* | 81,600* |
| Eastern Europe | 13,400* | 17,900* | 19,100* | 20,800* | 21,600* | 22,600* |
| Bulgaria | 192* | 695* | 903* | 1,028* | 1,109* | 1,134* |
| Czechoslovakia | 4,696* | 5,868* | 6,269* | 6,822* | 6,920* | 7,010* |
| East Germany | 1,995* | 2,338* | 2,448* | 2,525* | 2,333* | 2,400* |
| Hungary | 1,244* | 1,577* | 1,633* | 1,655* | 1,638* | 1,753* |
| Poland | 4,253* | 5,375* | 5,611* | 6,327* | 6,642* | 6,825* |
| Romania | 1,014* | 2,019* | 2,198* | 2,456* | 2,992* | 3,477* |
| Far East | | | | | | |
| Communist China | 27,500*[c] | 12,000 | 15,400 | 14,000 | 15,500 | 16,000 |
| North Korea | 752* | 1,120 | 1,290 | 1,400 | 1,500 | 1,690 |
| North Vietnam | 10* | 200 | 150 | *N.A.* | *N.A.* | *N.A.* |
| Other | | | | | | |
| Yugoslavia | 972* | 1,115* | 1,143* | 1,177* | 1,201* | 1,198* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 6,553* | 8,366* | 11,160* | Luxembourg[d] | 3,713* | 4,145* | 4,872* | Turkey | 247* | 424* | 550* |
| Canada | 4,025* | 6,587* | 6,840* | Netherlands | 1,346* | 2,365* | 3,420* | United Kingdom | 16,016* | 17,740* | 16,794* |
| Denmark | 69* | 78* | 207* | Norway | 373* | 526* | 703* | West Germany | 25,729* | 26,989*[e] | 33,760*[e] |
| France | 14,144* | 15,769* | 18,127* | Portugal | *Negl.** | 279* | 320* | | | | |
| Italy | 2,715* | 5,501* | 7,818* | | | | | | | | |

Other Free World Countries[f]

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Australia[g] | 2,939* | 4,313* | 6,084* | Japan | 12,341* | 27,502* | 58,147* | Sweden | 1,626* | 2,286* | 2,496* |
| India | 4,275* | 7,124* | 7,248*[h] | South Africa | 2,000* | 3,603* | 4,356* | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for pig iron and blast-furnace ferroalloys and exclude ferroalloys obtained from electric furnaces and sponge iron.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Including 13.4 million metric tons made in "small blast furnaces," of which 6.5 million metric tons was usable for steelmaking.

[d] Including small quantities of foreign-produced pig iron returned to furnaces.

[e] Including data for West Berlin, for which separate data are not available.

[f] Data may include some electric-furnace ferroalloys.

[g] Excluding ferroalloys.

[h] Data are for the previous year.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Table 96

Production of Iron Ore [a]

Million Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries [b] | 218* | 220* | 217* | 205* | 219* | 216* |
| United States [c] | 89.04* | 89.18* | 92.16* | 85.55* | 85.65* | 90.67* |
| Communist Countries [d] | | | | | | |
| USSR and Eastern Europe | 115* | 166* | 173* | 181* | 189* | 198* |
| USSR | 105.86* | 153.43* | 160.27* | 168.25* | 176.62* | 186.00* |
| Eastern Europe | 9.34* | 12.1* | 13.0* | 12.7* | 12.1* | 12.1* |
| Bulgaria | 0.42* | 1.80* | 2.61* | 2.59* | 2.64* | 2.69* |
| Czechoslovakia | 3.12* | 2.57* | 2.24* | 1.91* | 1.57* | 1.60* |
| East Germany | 1.64* | 1.65* | 1.72* | 1.68* | 1.41* | 1.45* |
| Hungary | 0.52* | 0.76* | 0.75* | 0.72* | 0.64* | 0.68* |
| Poland | 2.18* | 2.86* | 3.05* | 3.08* | 3.05* | 2.82* |
| Romania | 1.46* | 2.48* | 2.68* | 2.80* | 2.75* | 2.90* |
| Far East | | | | | | |
| Communist China | 56.43 | 24.83 | 31.10 | 28.00 | 31.10 | 32.00 |
| North Korea | 3.11* | 4.96* [e] | 5.00* | 5.46 | 5.50 | 6.20 |
| North Vietnam | 0.02* | 0.40 | 0.30 | *N.A.* | *N.A.* | *N.A.* |
| Other | | | | | | |
| Albania [f] | 0.26* | 0.39* | 0.39* | 0.40* | *N.A.* | *N.A.* |
| Yugoslavia | 2.20* | 2.50* | 2.49* | 2.58* | 2.72* | 2.72* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 0.16* | 0.09* | 0.09* | Greece | 0.30* | 0.03* | 0.03* | Portugal | 0.29* | 0.19* | 0.16* |
| Canada [g] | 19.55* | 36.25* | 38.15* | Italy | 1.25* | 0.81* | 0.77* | Turkey | 0.79* | 1.55* | 1.90* [h] |
| Denmark | 0.07* | 0.04* | 0.02* [h] | Luxembourg | 6.98* | 6.32* | 6.31* | United Kingdom [j] | 17.36* | 15.66* | 12.30* |
| France | 66.91* | 59.52* | 55.14* | Norway [i] | 1.58* | 2.42* | 3.70* | West Germany [k] | 14.18* | 7.95* [l] | 6.06* [l] |

Other Free World Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Austria | 3.54* | 3.54* | 3.98* | Japan [m] | 2.85* | 2.52* | 1.86* | Sweden [n] | 21.69* | 29.35* | 33.28* |
| India | 16.61* | 23.74* | 28.34* | Spain | 5.49* | 5.79* | 6.23* | Venezuela | 19.49* | 17.65* | 19.30* |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for the gross amount of marketable iron ores in the state in which they leave the mines, including manganiferous ores but excluding pyrites.

[b] Including data for the United States and those countries listed under "Other NATO Countries." The metal content of the ore in the NATO countries and other Free World countries follows: Luxembourg and the United Kingdom, 27%–30%; Austria, Belgium, France, and West Germany, 31%–34%; Greece, Italy, Portugal, Spain, and the United States, 46%–50%; Canada and Japan, 55%; Turkey, 60%; Sweden, 61%; and India, Norway, and Venezuela, 57%–62%. The metal content of iron ore in Denmark is not available.

[c] Excluding manganiferous iron ore containing 5% or more of manganese.

[d] The metal content of the ore in selected Communist countries follows: the USSR, in terms of dressed ore, 55% of the ore; Communist China, 20%–50%; North Korea, 40%–50%; Albania, 50%–55% (1% nickel); Bulgaria, 38%–50%; Czechoslovakia, 34%; East Germany, 25%–30%; Hungary, 24%–28%; Poland, 30%; Romania, 32%–40%; Yugoslavia, 40%; and North Vietnam, 55%.

[e] Based on an announced increase for 1965 of 24% applied to 1964 plan data.

[f] Iron-nickel ore that is mined for its nickel content.

[g] Shipments.

[h] Data are for the previous year.

[i] Data are for concentrates only and exclude titaniferous ores.

[j] Excluding certain grades.

[k] Merchant ores and concentrates.

[l] Including data for West Berlin, for which separate data are not available.

[m] Including iron sand and ferro-manganese ore.

[n] Including concentrates.



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Table 97

Production of Manganese Ore[a]

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries[b] | 189* | 107* | 103* | 99* | 105* | N.A.* |
| United States[c] | 73* | 27* | 13* | 11* | 10* | *N.A.** |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 6,350* | 8,040* | 8,150* | 7,640* | 6,980* | 7,400* |
| USSR | 5,872* | 7,576* | 7,706* | 7,175* | 6,564* | 7,000* |
| Eastern Europe | 477* | 461* | 442* | 463* | 413* | 402* |
| Bulgaria | 25* | 42* | 30* | 44* | 41* | 39* |
| Czechoslovakia | 154* | 80* | 90* | 80* | 86* | 88* |
| Hungary | 123* | 213* | 210* | 209* | 156* | 145* |
| Romania | 175* | 126* | 112* | 130* | 130* | 130* |
| Far East | | | | | | |
| Communist China | 708 | 312 | 375 | 340 | 375 | 400 |
| Other | | | | | | |
| Cuba | 123* | 120 | 115 | *N.A.* | *N.A.* | *N.A.* |
| Yugoslavia | 13* | 8* | 9* | 10* | 14* | 12* |

Other NATO Countries

| | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Greece | 31* | 11* | 8* | Portugal | 7* | 8* | 10* | Turkey | 28* | 14* | 25* |
| Italy | 49* | 48* | 51* | | | | | | | | |

Other Free World Countries

| | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Brazil | 999* | 1,396* | 1,426* | Gabon | *N.A.** | 1,280* | 1,164* | Japan | 324* | 303* | 323* |
| Congo (Kinshasa) | 382* | 378* | 322* | India | 1,199* | 1,647* | 1,602* | South Africa | 1,194* | 1,567* | 1,972* |

* *An asterisk indicates that the data are unclassified.*

[a] The metal content of the ore of various countries is as follows: the United States, more than 35%; other Free World countries and Cuba, 30% to 53%; the USSR, about 45%; Communist China and Yugoslavia, about 35%; Romania, 30%; Czechoslovakia, less than 30%; Bulgaria, about 27%; and Hungary, 26%.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Shipments.




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Table 98

Production of Refined Nickel[a]

Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries[b] | 205,000* | 240,000* | 230,000* | 258,000* | 271,000* | N.A.* |
| United States[c] | 12,975* | 12,256* | 12,008* | 13,259* | 13,747* | *N.A.** |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 72,200 | 100,000 | 107,000 | 115,000 | N.A. | N.A. |
| USSR | 72,000 | 100,000 | 107,000 | 115,000 | 124,000 | 133,000 |
| Eastern Europe | 222 | 50 | 0 | 0 | N.A. | N.A. |
| East Germany | 222 | 50 | 0 | 0 | *N.A.* | *N.A.* |
| Other | | | | | | |
| Cuba[d] | 14,700 | 28,200 | 27,900 | 32,000 | 37,000* | 37,000* |

Other NATO Countries

| | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Canada[e] | 114,735* | 147,000* | 168,000* | Italy | 500* | 350* | *N.A.** | United Kingdom | 34,300* | 40,487* | 41,650* |
| France[f] | 10,016* | 8,150* | 10,295* | Norway | 30,428* | 31,835* | 32,172* | West Germany | 2,523* | 305* | 318* |
| Greece | *N.A.** | *N.A.** | 4,304* | | | | | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for refined metal.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Nickel recovered from refined domestic ore and nickel recovered as a byproduct of electrolytic refining of copper. Secondary nickel produced from nonferrous scrap is excluded.

[d] Nickel content of oxides and sulfides.

[e] Including nickel and content of oxides and salts produced, plus exports of recoverable nickel in matte and concentrates.

[f] Excluding data for New Caledonia.



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Table 99

Production of Chromite[a]

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries[b] | 279* | 264* | 298* | 254* | 240* | N.A.* |
| United States[c] | 37.4* [d] | *Negl.** | *Negl.** | *Negl.** | *Negl.** | *Negl.** |
| Communist Countries[e] | | | | | | |
| USSR | 519.5 | 735.0 | 800.0 | 830.0 | 867.0 | 900.0 |
| North Vietnam | 19.4* | 15.0 | *Negl.* | *Negl.* | *Negl.* | *Negl.* |
| Albania | 130.1* | 141.2 | 137.1 | 148.5 | 164.6 | 189.3 |
| Cuba | 10.0* [f] | 14.4 | 13.1 | *N.A.* | *N.A.* | *N.A.* |
| Yugoslavia | 25.4* | 20.8* | 14.1* | 12.3* | 11.8* | *N.A.** |

Other NATO Countries

| | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 |
|---|---|---|---|---|---|---|---|
| Greece | 20.6* | 21.5* | 5.1* | Turkey | 220.7* | 242.2* | 234.9* |

* *An asterisk indicates that the data are unclassified.*

[a] Estimated chromic oxide ($Cr_2O_3$) content of ores mined. In many instances, data are only approximate.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Shipments.

[d] Production for the Federal Government only.

[e] The following percentages were used to reduce the estimates of ores mined in the Communist countries to show the chromic oxide content: USSR, a part at 35% and the remainder at 40%; North Vietnam, at 50%; Albania, at 45%; Cuba, at 35%; and Yugoslavia, at about 26%.

[f] US imports.





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Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9



Table 100

Production of Molybdenum[a]

Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries[b] | 31,500* | 39,700* | 50,600* | 50,800* | 51,700* | 58,100* |
| United States | 30,952* | 35,095* | 41,065* | 40,867* | 42,400* | 44,633* |
| Communist Countries | | | | | | |
| USSR | 4,800 | 7,300 | 7,600 | 8,000 | 8,500 | 9,000 |
| Far East | | | | | | |
| Communist China | 3,800 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|
| Canada[c] | 348* | 4,335* | 13,154* | Norway | 246* | 239* | 272*[d] |

Other Free World Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chile | 1,852* | 3,693* | 3,629* | Japan | 381* | 277* | 226*[d] | Peru | *Negl.** | 680* | 816* |

* *An asterisk indicates that the data are unclassified.*
[a] Molybdenum content of ores and concentrates.
[b] Including only data for the United States and those countries listed under "Other NATO Countries."
[c] Shipments.
[d] Data are for the previous year.

Table 101

Production of Cobalt[a]

Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| Free World Countries | | | | | | |
| Canada[b] | 1,618* | 1,655* | 1,593* | 1,635* | 1,805* | 1,451* |
| Congo (Kinshasa)[c] | 8,222* | 8,388* | 11,297* | 9,718* | 10,399* | 10,886* |
| Morocco | 1,271* | 1,832* | 1,994* | 1,928* | 1,669* | 1,724* |
| Zambia[c] | 1,847* | 1,544* | 1,515* | 1,455* | 1,197* | 1,361* |
| Communist Countries | | | | | | |
| USSR | 1,640 | 3,400 | 3,800 | 4,000 | 4,200 | 4,400 |

* *An asterisk indicates that the data are unclassified.*
[a] Unless otherwise indicated, data are for the cobalt content of ores mined.
[b] Including metal, salts, and oxides recovered from smelter products and residues exported.
[c] Cobalt content of alloys.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9



Table 102

Production of Tungsten Ore [a]

Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries [b] | 10,300* | 11,700* | 13,200* | 10,800* | 15,200* | N.A.* |
| United States [c] | 6,645* | 7,213* | 8,086* | 8,240* | 9,712* | *N.A.** |
| Communist Countries | | | | | | |
| USSR | 11,400 | 14,000 | 14,000 | 14,000 | 14,000 | 14,000 |
| Far East | | | | | | |
| Communist China | 29,000 | 15,000 | 14,000 | 12,000 | 12,000 | 12,000 |
| North Korea | 3,000 | 4,000 | 4,000 | *N.A.* | *N.A.* | *N.A.* |

Other NATO Countries

| | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Canada | *N.A.** | 2,826* | 2,722* | Italy | 7* | 1* | 1* | Portugal | 2,917* | 1,643* | 2,722* |
| France | 683* | 0* | 0* | | | | | | | | |

Other Free World Countries

| | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Australia | 1,882* | 1,992* | 2,412* | Congo (Kinshasa) [e] | 575* | 214* | 82* | Spain | 934* | 47* | 234* |
| Bolivia [d] | 2,150* | 1,823* | 3,813* | South Korea | 5,734* | 4,479* | 4,400* | Thailand | 442* | 555* | 942* |
| Burma [e] | 944* | 334* | 293* | | | | | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for the estimated tonnage of tungsten concentrates, 60% tungsten trioxide ($WO_3$) basis.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Shipments.

[d] Exports.

[e] Including $WO_3$ in tin-tungsten concentrates.





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Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9



Table 103

Production of Gold [a]

Million US $

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| FREE WORLD COUNTRIES | | | | | | |
| United States | 58.8* | 58.6* | 63.1* | 55.4* | 53.9* | 59.5* |
| Australia | 38.0* | 30.7* | 32.0* | 28.2* | 27.5* | 24.7* |
| Canada | 162.0* | 125.6* | 114.6* | 103.7* | 94.1* | 85.2* |
| Colombia | 15.2* | 11.2* | 9.8* | 9.0* | 8.4* | 7.7* |
| Congo (Kinshasa) | 11.1* | 2.3* | 5.6* | 5.3* | 5.9* | *N.A.** |
| Ghana | 30.8* | 26.7* | 24.0* | 26.7* | 25.4* | 24.6* |
| India | 5.6* | 4.6* | 4.2* | 3.6* | 4.0* | 3.6* |
| Japan | 11.8* | 18.1* | 19.4* | 23.7* | 21.5* | 23.2* |
| Mexico | 10.5* | 7.6* | 7.5* | 6.4* | 5.2* | 7.0* |
| Nicaragua | 6.9* | 5.4* | 5.2* | 5.2* | 4.9* | *N.A.** |
| Peru | 4.9* | 3.7* | 3.9* | 3.0* | 2.9* | 3.0* |
| Philippines | 14.4* | 15.4* | 15.9* | 17.2* | 18.5* | 18.9* |
| Rhodesia | 19.7* | 19.0* | 19.3* | 18.0* | 17.5* | *N.A.** |
| South Africa | 748.4* | 1,069.0* | 1,080.8* | 1,061.6* | 1,088.0* | 1,090.8* |
| COMMUNIST COUNTRIES | | | | | | |
| USSR | 124 | 176 | 188 | 200 | 207 | 219 |
| Communist China | 35.0 | 24.5 | 24.5 | 22.0 | 22.0 | 22.0 |
| Czechoslovakia | 2.3 | 2.6 | 2.7 | 2.7 | 2.7 | 2.7 |
| Romania | 12.8 | 17.0 | 20.0 | 25.0 | 26.0 | 26.0 |

* *An asterisk indicates that the data are unclassified.*

[a] Based on a value of $35 per troy ounce.



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Table 104

Production of Refined Copper [a]

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries [b] | 2,850* | 3,280* | 3,300* | 2,760* | 3,180* | 3,410* |
| United States [c] | 1,642.6* | 1,956.7* | 1,997.4* | 1,396.7* | 1,681.9* | 2,026.5* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 591 | 913 | 975 | 1,070 | 1,160 | 1,260 |
| USSR | 490.0* | 772.0* | 828.0* | 915.0* | 992.0* | 1,078.0* |
| Eastern Europe | 101 | 141 | 147 | 158 | 165 | 177 |
| Bulgaria | 14.0* | 23.9* | 25.7* | 33.5* | 36.5* | 36.7* |
| Czechoslovakia | 10.1* | 12.3* | 12.3* | 11.1* | 11.8* | 12.0* |
| East Germany | 40.0* | 40.0* | 40.0* | 40.0* | 40.0* | 40.0* |
| Hungary | 8.2* | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| Poland | 21.7* | 37.4* | 39.8* | 42.2* | 43.6* | 54.7* |
| Romania | 7.0 | 15.0 | 17.0 | 19.0 | 21.0 | 22.0 |
| Far East | | | | | | |
| Communist China | 90.0 | 96.0 | 120.0 | *N.A.* | *N.A.* | 100.0 |
| North Korea | 8.5* | 18.0* | 19.0* | 21.0* | 21.0* | 21.0 |
| Other | | | | | | |
| Albania [d] | 0.9* | 4.2* | 4.8* | 4.8* | 5.5* | 6.4* |
| Yugoslavia | 35.1* | 56.4* | 62.9* | 66.2* | 70.1* | 82.0* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 211.8* | 280.0* | 298.7* | Italy | 15.6* | 12.7* | 16.5* | Turkey | 11.7* | 6.5* | 11.8* |
| Canada | 378.2* | 393.8* | 403.3* | Norway | 17.1* | 14.8* | 22.1* | United Kingdom | 218.9* | 227.6* | 198.2* |
| France | 40.2* | 41.1* | 37.0* | Portugal | 5.3* | 3.8* | 3.7* | West Germany | 309.1* | 342.4* | 396.1* [e] |

Other Free World Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chile | 225.6* | 288.8* | 434.8* | India | 8.9* | 9.4* | 9.8* | Zambia | 402.6* | 522.3* | 598.5* |
| Congo (Kinshasa) | 144.7* | 152.6* | 170.0* | Japan | 248.1* | 365.7* | 629.1* | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for primary and secondary refined copper produced from domestic and imported ores and scrap.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Including production from secondary plants and copper refined by manufacturers for their own use.

[d] Blister copper.

[e] Including data for West Berlin, for which separate data are not available.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 105

Production of Primary Aluminum

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries[a] | 3,210* | 4,270* | 4,600* | 4,980* | 5,120* | 5,660* |
| United States | 1,828* | 2,499* | 2,693* | 2,966* | 2,953* | 3,441* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 793 | 1,210 | 1,430 | 1,610 | 1,790 | 1,870 |
| USSR | 630 | 1,000 | 1,160 | 1,295 | 1,435 | 1,500 |
| Eastern Europe | 163* | 206 | 267 | 319 | 351 | 374 |
| Czechoslovakia | 52* | 56* | 60* | 60* | 60* | 60* |
| East Germany | 35* | 45 | 45 | 52 | 58 | 63 |
| Hungary | 50* | 58* | 60* | 62* | 63* | 64* |
| Poland | 26* | 47* | 55* | 92* | 94* | 97* |
| Romania[b] | 0* | 0* | 47* | 53* | 76* | 90* |
| Far East | | | | | | |
| Communist China | 80 | 115 | 125 | 145 | 179 | 195 |
| Other | | | | | | |
| Yugoslavia | 25* | 39* | 42* | 45* | 48* | 48* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Canada | 691* | 753* | 907* | Italy | 84* | 124* | 146* | United Kingdom | 29* | 36* | 34* |
| France | 238* | 340* | 371* | Norway[c] | 171* | 276* | 502* | West Germany | 169* | 238*[d] | 263*[d] |

Other Free World Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|
| India | 18* | 62* | 130* | Japan | 133* | 294* | 569* |

* *An asterisk indicates that the data are unclassified.*

[a] Including only data for the United States and those countries listed under "Other NATO Countries."

[b] Primary aluminum and aluminum alloys.

[c] Including the pure content of virgin alloys.

[d] Including data for West Berlin, for which separate data are not available.


Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9



Table 106

Production of Bauxite

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries [a] | 5,300* | 5,860* | 6,260* | 6,400* | 6,460* | 6,790* |
| United States | 2,030* | 1,681* | 1,825* | 1,681* | 1,692* | 1,829* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 4,390 | 6,350 | 6,660 | 7,310 | 7,580 | 7,240 |
| USSR [b] | 3,110 | 4,860 | 5,220 | 5,460 | 5,370 | 5,000 |
| Eastern Europe | 1,280* | 1,490* | 1,440* | 1,850* | 2,210* | 2,240* |
| Hungary | 1,190* | 1,478* | 1,429* | 1,649* | 1,959* | 1,935* |
| Romania | 88* | 12* | 15* | 200* | 250* | 300* |
| Far East | | | | | | |
| Communist China [c] | 640 | 920 | 1,000 | 1,160 | 1,432 | 1,560 |
| Other | | | | | | |
| Yugoslavia | 1,025* | 1,574* | 1,887* | 2,131* | 2,072* | 2,128* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| France | 2,068* | 2,662* | 2,845* | Italy | 313* | 245* | 222* | West Germany | 4* | 4* | 3* [d] |
| Greece | 884* | 1,270* | 1,896* | | | | | | | | |

Other Free World Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Guyana | 2,511* | 2,919* | 3,556* | Jamaica | 5,837* | 8,651* | 10,160* | Surinam | 3,455* | 4,360* | 5,588* |

* *An asterisk indicates that the data are unclassified.*

[a] Including only data for the United States and those countries listed under "Other NATO Countries."

[b] Excluding nonbauxite ore such as nepheline and alunite for the production of alumina.

[c] Data are for aluminous shales and clays used for the manufacture of aluminum and exclude shales exported and those used for refractories, abrasives, and cement.

[d] Data are for the previous year.





Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 107

Smelter Production of Lead [a]

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries[b] | 845* | 915* | 939* | 933* | 991* | 1,180* |
| United States[c] | 346.9* | 379.4* | 399.8* | 344.6* | 423.9* | 595.2* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 436 | 608* | 647* | 703* | 736* | 775* |
| USSR | 324.0* | 433.0* | 463.0* | 495.0* | 528.0* | 563.0* |
| Eastern Europe | 112 | 175* | 184* | 208* | 208* | 212* |
| Bulgaria | 40.4* | 93.4* | 92.8* | 96.6* | 92.7* | 95.1* |
| Czechoslovakia | 9.1* | 14.6* | 14.6* | 14.6* | 14.6* | 14.6* |
| East Germany | 10.4 | 12.5* | 12.5* | 12.5* | 12.5* | 12.5* |
| Hungary | 0.5 | 0.5* | 0.5* | 0.5* | 0.5* | 0.5* |
| Poland[d] | 39.7* | 41.4* | 43.5* | 44.8* | 48.7* | 50.7* |
| Romania[d] | 12.0* | 12.2* | 20.0* | 39.0* | 39.0* | 39.0* |
| Far East | | | | | | |
| North Korea | 34.0 | 54.0* | 57.0* | 61.0* | 61.0* | 61.0* |
| Other | | | | | | |
| Yugoslavia | 89.1* | 101.6* | 97.8* | 93.8* | 94.8* | 107.0* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium[e] | 92.7* | 110.8* | 112.3* | Greece | 3.1* | 5.2* | 8.9*[f] | Turkey | 0.5* | 0.9* | 0.5*[f] |
| Canada | 144.0* | 169.2* | 169.2* | Italy | 41.6* | 45.4* | 63.0* | United Kingdom | 1.1* | 0.1* | *Negl.** |
| France | 74.4* | 98.4* | 107.9* | Portugal | 0.9* | 1.3* | 1.2*[f] | West Germany | 139.2* | 104.0* | 126.0* |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for smelter production of lead produced from domestic and imported ores and concentrates, excluding all metal produced from scrap (secondary metals).

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Excluding refined lead produced from imported base bullion.

[d] Probably including some secondary metal.

[e] Including secondary metal.

[f] Data are for the previous year.


Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 108

Production of Refined Zinc [a]

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries[b] | 1,850* | 2,200* | 2,280* | 2,160* | 2,390* | 2,640* |
| United States[c] | 787.7* | 978.0* | 1,005.3* | 918.4* | 982.7* | 1,041.3* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 575 | 793 | 861 | 933 | 1,010* | 1,080* |
| USSR[d] | 364.0* | 504.0* | 551.0* | 610.0* | 678.0* | 748.0* |
| Eastern Europe | 211 | 289 | 310 | 323 | 330* | 336* |
| Bulgaria | 16.9* | 65.8* | 76.8* | 73.9* | 75.1* | 75.8* |
| Czechoslovakia | 2.0* | 3.0* | 3.0* | 3.0* | 3.0* | 3.0* |
| East Germany | 4.1 | 14.0 | 13.8 | 13.8 | 13.8* | 13.8* |
| Hungary | 0.4* | 0.4* | 0.4* | 0.4* | 0.4* | 0.4* |
| Poland | 175.5* | 190.4* | 193.0* | 196.1* | 202.5* | 208.0* |
| Romania | 12.5 | 15.4* | 23.1* | 35.5* | 35.5* | 35.5* |
| Far East | | | | | | |
| North Korea | 55.0* | 80.0* | 84.0* | 88.0* | 88.0* | 88.0* |
| Other | | | | | | |
| Yugoslavia | 35.9* | 46.1* | 51.1* | 53.2* | 78.5* | 81.1* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 247.6* | 238.1* | 256.4* | Italy | 85.2* | 80.9* | 130.5* | United Kingdom | 75.5* | 106.8* | 150.9* |
| Canada | 238.2* | 325.5* | 423.4* | Netherlands | 36.1* | 41.8* | 46.3* | West Germany | 191.9* | 182.2* | 281.3* |
| France | 146.4* | 192.0* | 254.4* | Norway | 43.6* | 52.4* | 58.8* | | | | |

Other Free World Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|
| Japan | 130.5* | 367.8* | 712.2* | Mexico | 52.9* | 62.6* | 70.6* |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for electrolytic and distilled (including redistilled) zinc produced from domestic and imported ores and scrap and other secondary materials.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Including production from secondary smelters. Production of primary zinc in the United States was as follows (in metric tons): 1960, 725,300; 1965, 902,100; 1966, 929,900; 1967, 851,700; 1968, 926,100; and 1969, 952,500.

[d] Primary metal only, representing slightly less than 80% of total production.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

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Table 109

Smelter Production of Primary Tin Metal[a]

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries[b] | 56.8* | 44.6* | 41.4* | 47.3* | 44.0* | 38.4* |
| United States[c] | 13.7* | 3.1* | 3.9* | 3.1* | 3.5* | *Negl.** |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 11.4 | 15.2 | 16.4 | 18.0 | 19.3 | 20.9 |
| USSR | 10.6 | 14.0 | 15.2 | 16.7 | 18.0 | 19.6 |
| Eastern Europe | 0.8 | 1.2* | 1.2* | 1.3* | 1.3* | 1.3 |
| East Germany | 0.8 | 1.2* | 1.2* | 1.3* | 1.3* | 1.3 |
| Far East | | | | | | |
| Communist China | 28.0 | 11.0 | 11.0 | 8.0 | 9.0 | 10.0 |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 8.4* | 4.3* | 4.6* | Portugal | 0.6* | 0.6* | 0.5* | West Germany | 0.8* | 1.4* | 1.5* |
| Netherlands | 6.5* | 18.4* | 5.4* | United Kingdom | 26.8* | 16.8* | 26.4* | | | | |

Other Free World Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Japan | 1.2* | 1.6* | 1.4* | Malaysia | 77.6* | 73.6* | 88.2* | Nigeria | 0* | 9.5* | 9.1* |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for primary (virgin) metal and exclude tin derived from scrap or detinning.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Estimated data based on imports of tin concentrates.


Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 110

Production of Primary Magnesium [a]

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries [b] | 64.9* | 124* | 120* | 137* | 141* | 148* |
| United States | 36.4* | 73.8* | 72.4* | 88.4* | 89.2* | 96.2* |
| Communist Countries | | | | | | |
| USSR | 25.0 | 66.5 | 71.0 | 76.0 | 84.0 | 90.0 |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Canada | 6.6* | 9.2* | 8.9* | Italy | 5.4* | 6.3* | 6.8* | United Kingdom [c] | 3.7* | 5.4* | 0* [d] |
| France | 2.1* | 2.6* | 4.3* | Norway | 10.3* | 26.4* | 31.8* | West Germany | 0.3* | 0.5* | N.A.* |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for primary (virgin) metal in ingots and ingot equivalent of other forms.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Including remelt alloys.

[d] Production suspended in June 1966.

Table 111

Production of Titanium Sponge Metal [a] in the US and the USSR

Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| United States | 4,818* | 8,100* [b] | 15,000* [b] | 18,000* [b] | *N.A.** | *N.A.** |
| USSR | 3,000 | 9,000 | 11,000 | 13,000 | 15,000 | 18,000 |

* *An asterisk indicates that the data are unclassified.*

[a] Raw titanium in the form of sponge metal produced by the Kroll method from rutile or ilmenite concentrates.

[b] Based on reports from various trade publications.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

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Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 112

Production of Footwear [a] in the US and the USSR

Million Pairs

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| United States | 600.0* | 629.1* | 641.7* | 600.0* | 642.4* | 580.9* |
| USSR | 419.3* | 486.0* | 522.2* | 561.3* | 597.6* | 635.0* |

* *An asterisk indicates that the data are unclassified.*

[a] Shoes and slippers.

Table 113

Production of Woven Cotton Fabrics [a] in Selected Free World and Communist Countries

| | Unit of Measure | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|
| Free World Countries | | | | | | | |
| United States | Million linear meters | 8,564* | 8,469* | 8,107* | 7,555* | 6,774* | 6,546* |
| Canada [b c d] | Million linear meters | 240* | 306* | 247* | 252* | 250* | 250* |
| India [e] | Million linear meters | 6,629* | 7,643* | 7,336* | 7,277* | 7,896* | 7,590* |
| Japan [b] | Million square meters | 3,221* | 3,013* | 2,913* | 2,825* | 2,744* | 2,779* |
| Pakistan [c f] | Million linear meters | 575* | 658* | 644* | 705* | 701* | 720* |
| Turkey [c] | Million linear meters | 384* | 781* | 640* | 694* | 773* | 743* |
| United Kingdom [c] | Million linear meters | 1,183* | 928* | 837* | 681* | 668* | 623* |
| Communist Countries | | | | | | | |
| USSR [b c] | Million linear meters | 6,387* | 7,077* | 7,238* | 7,414* | 7,562* | 7,592* |
| Bulgaria [b] | Million linear meters | 218* | 291* | 299* | 307* | 319* | 335* |
| Czechoslovakia | Million linear meters | 464* | 500* | 518* | 515* | 506* | 500* |
| East Germany | Million square meters | 254* | 244* | 244* | 247* | 250* | *N.A.* |
| Hungary [b] | Million square meters | 225* | 305* | 317* | 304* | 292* | 269* |
| Poland [b] | Million linear meters | 667* | 811* | 845* | 824* | 835* | 846* |
| Romania [b] | Million square meters | 248* | 319* | 339* | 357* | 377* | 406* |
| Communist China | Million linear meters | *N.A.* | 4,500 | 5,000 | 4,000 | 4,000 | 4,500 |
| Yugoslavia | Million square meters | 257* | 394* | 416* | 378* | 401* | 416* |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for fabrics, in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up.

[b] Fabrics after undergoing finishing processes.

[c] Excluding mixed fabrics.

[d] Shipments.

[e] Mill and decentralized sector production.

[f] Mill production only. Data include finished fabrics.



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Table 114

Production of Woven Woolen Fabrics [a] in Selected Free World and Communist Countries

| | Unit of Measure | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|
| Free World Countries | | | | | | | |
| United States | Million linear meters | 262 | 244 | 242 | 218 | 222 | 208 |
| Australia [b] | Million square meters | 25 | 20 | 20 | 18 | 19 | 20 |
| Canada [c] [d] | Million linear meters | 14 | 15 | 14 | 12 | 13 | 15 |
| India [e] | Million linear meters | 8 | 10 | 9 | 9 | 12 | 13 |
| Japan [f] | Million square meters | 316 | 341 | 345 | 377 | 386 | 434 |
| Netherlands | Million square meters | 68 | 67 | 69 | 58 | *N.A.* | *N.A.* |
| Turkey [g] | Million linear meters | 10 | 24 | 26 | 27 | 30 | 27 |
| United Kingdom | Million square meters | 307 | 270 | 253 | 246 | 246 | 241 |
| Communist Countries | | | | | | | |
| USSR [c] [g] | Million linear meters | 342 | 365 | 398 | 427 | 455 | 482 |
| Bulgaria [c] | Million linear meters | 19 | 20 | 22 | 22 | 23 | 25 |
| Czechoslovakia | Million linear meters | 46 | 44 | 45 | 46 | 46 | 48 |
| East Germany | Million square meters | 48 | 38 | 39 | 38 | 35 | *N.A.* |
| Hungary [c] | Million square meters | 27 | 29 | 31 | 33 | 30 | 23 |
| Poland [c] | Million linear meters | 79 | 91 | 91 | 90 | 94 | 99 |
| Romania [c] | Million square meters | 32 | 41 | 44 | 50 | 52 | 55 |
| Yugoslavia | Million square meters | 46 | 54 | 57 | 50 | 50 | 48 |

[a] Unless otherwise indicated, data are for woven woolen and worsted fabrics (in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up) and for mixed woolen fabrics.
[b] Twelve months ending 30 June of the stated year.
[c] Fabrics after undergoing finishing processes.
[d] Factory shipments.
[e] Wearable fabrics produced in the mill sector only.
[f] Including finished fabrics.
[g] Excluding mixed fabrics.

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Table 115

Production of Woven Rayon and Acetate Fabrics [a] in Selected Free World and Communist Countries

| | Unit of Measure | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|
| Free World Countries | | | | | | | |
| United States | Million linear meters | 1,312 | 1,622 | 1,502 | 1,478 | 1,596 | 1,554 |
| Canada | Million linear meters | 70 | 137 | 136 | 138 | 158 | *N.A.* |
| India [b] | Million linear meters | 550 | 870 | 853 | 882 | 1,006 | *N.A.* |
| Japan [c] | Million square meters | 1,828 | 1,653 | 1,661 | 1,624 | 1,632 | 1,644 |
| United Kingdom [b] | Million linear meters | 564 | 572 | 564 | 484 | 469 | 500 |
| Communist Countries | | | | | | | |
| USSR [b d] | Million linear meters | 755 | 900 | 970 | 1,036 | 1,033 | 1,113 |
| Bulgaria [b d e] | Million linear meters | 11 | 15 | 17 | 19 | 19 | 20 |
| Czechoslovakia | Million linear meters | 58 | 59 | 62 | 63 | 67 | 67 |
| East Germany | Million square meters | 57 | 55 | 59 | 62 | 65 | *N.A.* |
| Hungary [d] | Million square meters | 25 | 32 | 33 | 34 | 36 | 44 |
| Poland [d] | Million linear meters | 103 | 103 | 104 | 114 | 118 | 119 |
| Romania [d] | Million square meters | 22 | 26 | 27 | 28 | 31 | 36 |
| Yugoslavia | Million square meters | 19 | 24 | 30 | 27 | 31 | 30 |

[a] Unless otherwise indicated, data are for pure and mixed fabrics, in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up.
[b] Including fabrics of noncellulosic fibers.
[c] Including finished fabrics.
[d] Fabrics after undergoing finishing processes.
[e] Including fabrics of natural silk.

Table 116

Production of Synthetic Fibers [a] in Selected Free World and Communist Countries

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| Free World Countries | | | | | | |
| United States | 307.2 | 806.0 | 938.4 | 1,058.5 | 1,457.2 | 1,581.0 |
| Canada | 17.0 | 37.5 | 45.0 | 47.7 | 62.4 | *N.A.* |
| France | 45.3 | 87.1 | 109.3 | 109.6 | 132.4 | 156.3 |
| Italy | 33.7 | 110.7 | 143.8 | 153.0 | 195.1 | 235.0 |
| Japan | 118.3 | 379.6 | 460.5 | 578.0 | 692.4 | 806.4 |
| United Kingdom | 61.0 | 148.0 | 174.8 | 194.1 | 272.8 | *N.A.* |
| West Germany [b] | 52.3 | 179.3 | 213.4 | 252.2 | 361.3 | 450.0 |
| Communist Countries | | | | | | |
| USSR | 15.0 | 77.5 | 96.3 | 115.8 | 129.7 | 142.4 |
| Czechoslovakia | 3.0 | 9.6 | 11.0 | 10.8 | 12.7 | 18.2 |
| East Germany | 7.8 | 18.9 | 20.6 | 23.7 | 25.8 | 30.7 |
| Hungary | *Negl.* | 2.3 | 3.6 | 4.1 | 4.5 | 5.0 |
| Poland | 7.8 | 23.2 | 28.9 | 35.8 | 43.2 | 49.0 |
| Romania | 0.9 | 3.3 | 5.5 | 8.0 | 9.6 | 16.8 |

[a] Data are for noncellulosic fibers either made of natural polymers, which are based on materials such as casein or groundnuts, or made of synthetic polymers, which are based mostly on coal or petroleum. Data exclude waste, glass fibers, and rubber fibers.
[b] Beginning in 1965, including data for West Berlin, for which separate data are not available.


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Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 117

Production of Metalcutting Machine Tools[a] in the United States and Selected Communist Countries

Thousand Units

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| United States | 42.91* | 68.01* | 80.67* | 86.01* | 70.52* | 65.43* |
| COMMUNIST COUNTRIES | | | | | | |
| USSR and Eastern Europe | 246* | 286* | 302* | 309* | 315* | N.A. |
| USSR | 155.92* | 186.13* | 192.18* | 197.64* | 200.82* | 206.00* |
| Eastern Europe | 90.0* | 100* | 110* | 111* | 115* | N.A. |
| Bulgaria | 3.15* | 8.06* | 9.24* | 10.50* | 11.16* | 12.15 |
| Czechoslovakia | 30.23* | 24.33* | 27.60* | 29.85* | 33.53* | *N.A.* |
| East Germany[b] | 22.25* | 20.00* | 21.54* | 18.68* | 18.02* | *N.A.* |
| Hungary | 7.40* | 9.40* | 10.30* | 10.10* | 11.25* | 8.45* |
| Poland | 22.50* | 31.10* | 32.60* | 32.30* | 29.00* | 32.28* |
| Romania | 4.44* | 7.16* | 8.52* | 9.69* | 11.69* | 13.58* |
| Far East | | | | | | |
| North Korea | 2.90* | 3.95 | *N.A.* | *N.A.* | *N.A.* | *N.A.* |
| North Vietnam | 0.65* | 0.50* | *N.A.* | *N.A.* | *N.A.* | *N.A.* |

* *An asterisk indicates that the data are unclassified.*

[a] Power-driven metalcutting machines that are not portable by hand and are used to remove metal in the form of chips; these machines include lathes and planers, and milling, honing, lapping, grinding, electroerosion, and ultrasonic cutting machines.

[b] Data differ from those presented in the previous *Handbook*, which included watchmakers' lathes, and excluded certain types of gear-cutting machines and boring mills.

Table 118

Production of Metalforming Machine Tools[a] in the US and the USSR

Thousand Units

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| United States[b] | 31.3* | 44.0* | 53.6* | 54.6* | 70.5*[c] | 73.1*[c] |
| USSR | 29.9* | 34.6* | 38.4* | 41.1* | 42.1* | 42.7* |

* *An asterisk indicates that the data are unclassified.*

[a] Power-driven metalforming machine tools that are not supported in the hands of an operator when in use and are designed to press, forge, emboss, hammer, extrude, blank, spin, shear, and bend metal into shape.

[b] Unless otherwise indicated, data exclude manually operated bending and forming machines, spinning lathes, and riveting, canmaking, die-casting, wire-weaving, wiredrawing, knurling, and marking machines, which usually are included in the definition of metalforming machine tools by the US Department of Commerce.

[c] Including manually operated bending and forming machines for which separate data are not available.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 119

Production of Metallurgical Equipment[a] in Selected Communist Countries

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| COMMUNIST COUNTRIES | | | | | | |
| USSR | 218.3 | 242.3 | 252.2 | 289.9 | 322.5 | 319.0 |
| Czechoslovakia[b] | 105.1 | 85.5 | 89.6 | 79.2 | 90.3 | *N.A.* |
| East Germany[c] | 15.9 | 19.8 | 25.7 | 22.8 | 15.6 | *N.A.* |
| Poland | 21.7 | 40.1 | 38.3 | 44.0 | 43.1 | 43.6 |
| Romania | 27.2 | 40.5 | 48.4 | 51.4 | 58.5 | *N.A.* |

[a] Unless otherwise indicated, data are for rolling mill equipment; mechanical equipment for coke, blast, and smelting furnaces; mixers; crushers; grinding mills for ore and coal; agglomeration installations; and special hoist-transport mechanisms for metallurgical shops. Equipment for nonferrous shops is believed to be included but probably amounts to only a small percentage of the total physical volume. Data for the United States are not available in terms of metric tons.

[b] Beginning in 1965, data include fewer components and spare parts.

[c] Rolling mill equipment only.

Table 120

Production of Electric Motors[a] in Selected Communist Countries

Thousand Kilowatts

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| COMMUNIST COUNTRIES | | | | | | |
| USSR[b] | 17,597 | 26,900 | 28,174 | 29,800 | 30,800 | 34,100 |
| Bulgaria | 919 | 2,864 | 3,154 | 3,461 | 3,663 | 3,920 |
| Czechoslovakia | 2,952 | 4,176 | 3,971 | 4,438 | 4,140 | *N.A.* |
| Poland | 2,387 | 4,533 | 4,512 | 4,940 | 5,649 | 6,984 |
| Romania | 559 | 1,255 | 1,507 | 1,679 | 1,989 | *N.A.* |

[a] Unless otherwise indicated, data are for alternating and direct current motors.

[b] Alternating current motors of 0.25 kilowatt and over.


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Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 121

Production of Electric Generators [a] in the United States and Selected Communist Countries

Thousand Kilowatts

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| United States [b] | 12,899* | 15,451* | 18,633* | 23,267* | 27,432* | 26,779* |
| COMMUNIST COUNTRIES | | | | | | |
| USSR | 7,915* | 14,390* | 13,447* | 14,575* | 14,529* | 12,700* |
| Bulgaria | 29* | 13* | 10* | 85* | *N.A.* | *N.A.* |
| Czechoslovakia [c] | 1,391* | 888* | 2,075* | 1,709* | 882* | *N.A.* |
| Hungary [c] | 347* | 416* | 295* | 296* | 103* | *N.A.* |
| Romania | 83* | 295* | 310* | 416* | 421* | *N.A.* |
| Communist China | 875 | 865 | 770 | 325 | *N.A.* | 770 |

* *An asterisk indicates that the data are unclassified.*

[a] Turbogenerators and hydrogenerators. Production of diesel generators is believed to be negligible in most instances.

[b] Shipments of units 4,000 kilowatts and larger.

[c] Generators for steam and gas turbines only.

Table 122

Production of Turbines [a] in the United States and Selected Communist Countries

Thousand Kilowatts

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| United States [b] | 12,899* | 15,451* | 18,633* | 23,267* | 27,432* | 26,779* |
| COMMUNIST COUNTRIES | | | | | | |
| USSR [c] | 9,200* | 14,625* | 15,172* | 14,684* | 15,800* | 15,100* |
| Czechoslovakia | 1,555* | 1,994* | 1,363* | 1,290* | 1,198* | *N.A.* |
| Poland [d] | 186* | 471* | 647* | 830* | 1,100* | 1,283* |
| Romania [e] | 98* | 27* | 44* | 95* | 85* | *N.A.* |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for steam and hydraulic turbines. Most production of turbines is for use in matched sets with generators for production of electric power. In addition, turbines are produced in single units for many purposes, including direct industrial drives, marine propulsion, and pipeline transmission.

[b] Shipments of units 4,000 kilowatts and larger. Data are available only for turbines produced as integral units together with generators. Therefore, data for turbines and generators for the United States are assumed to be the same. Some turbines are produced in single units but no data are available on this production.

[c] Including a small number of gas turbines.

[d] Steam turbines only.

[e] Steam turbines of more than 500 kilowatts only.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 123

Production of Digital Computers [a]

Units

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| Free World Countries | | | | | | |
| United States | 1,000* | 7,000* | 14,000* | 13,000* | 15,000* | 16,000* |
| France | *N.A.** | 200* | 300* | 500* | 500* | 600* |
| Japan | 30* | 320* | 400* | 700* | 600* | 800* |
| United Kingdom | 70* | 200* | 250* | 300* | 350* | 400* |
| Communist Countries | | | | | | |
| USSR | 160 | 200 | 600 | 700 | 800 | 1,000 |
| Czechoslovakia | 0 | 0 | 3 | 8 | 15 | 30 |
| East Germany | 15 | 0 | 5 | 15 | 25 | 50 |
| Poland | 15 | 20 | 20 | 25 | 30 | 50 |

* *An asterisk indicates that the data are unclassified.*

[a] Estimates of this Office based on fragmentary market surveys and installations reports. No attempt has been made to standardize these units in terms of either value or computational capability. Total production of digital computers through 1969, including years not mentioned above, is as follows (in units): the United States, 90,000; France, 2,400; Japan, 3,500; the United Kingdom, 2,600; the USSR, 4,500; Czechoslovakia, 56; East Germany, 145; and Poland, 200.

Table 124

Total Housing Construction [a] in the United States and Selected Communist Countries

Thousand Square Meters

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| United States [b] | 144,000* | 158,000* | 126,000* | 138,000* | 158,000* | 150,000* |
| Communist Countries | | | | | | |
| USSR | 109,600* | 97,600* | 102,100* | 104,500* | 102,100* | 102,500* |
| Bulgaria | 2,799* | 2,744* | 2,647* | 2,622* | 2,647* | 2,753* |
| Czechoslovakia | 4,994* | 5,087* | 5,269* | 5,484* | 5,993* | 5,881* |
| East Germany [c] | 4,089* | 3,465* | 3,317* | 3,876* | 3,861* | 3,658* |
| Hungary | 3,335* | 3,303* | 3,430* | 3,894* | 4,127* | 3,813* |
| Poland | 8,071* | 8,354* | 8,800* | 9,471* | 9,768* | 7,368* |
| Romania | 4,164* [c] | 5,881* | 5,832* | 6,190* | 5,823* | 7,131* |
| Albania [d] | 201* | 156* [e] | 181* [e] | 178* [e] | *N.A.** | *N.A.** |
| Yugoslavia | 3,664* | 6,417* | 6,984* | 7,031* | 7,334* | 7,397* |

* *An asterisk indicates that the data are unclassified.*

[a] Total housing space, which includes living rooms, bedrooms, dining area, and auxiliary space such as bathrooms, kitchens, closets, and inside hallways.

[b] Data are computed from the number of housing starts during the given years. Strictly speaking, therefore, the data on completions are more accurate for interyear comparisons than for any given year. Housing starts were converted to total floorspace by converting to square meters on the basis of varying sizes of structures.

[c] Living space only.

[d] Socialist sector only.

[e] Estimated.


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Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 125

Production of Cement [a]

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries | 144,000* | 188,000* | 195,000* | 196,000* | 207,000* | 214,000* |
| United States | 56,063* | 65,078* | 67,146* | 64,449* | 68,791* | 67,367* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 68,400* | 104,000* | 114,000* | 122,000* | 126,000* | N.A. |
| USSR | 45,520* | 72,388* | 80,013* | 84,809* | 87,512* | 89,800* |
| Eastern Europe | 22,900* | 31,800* | 34,000* | 37,100* | 39,000* | N.A. |
| Bulgaria | 1,586* | 2,681* | 2,851* | 3,358* | 3,512* | 3,551* |
| Czechoslovakia | 5,051* | 5,713* | 6,130* | 6,460* | 6,493* | 6,733* |
| East Germany | 5,032* | 6,087* | 6,450* | 7,182* | 7,551* | *N.A.* |
| Hungary | 1,571* | 2,383* | 2,601* | 2,656* | 2,801* | 2,564* |
| Poland | 6,599* | 9,573* | 10,040* | 11,138* | 11,593* | 11,830* |
| Romania | 3,054* | 5,406* | 5,886* | 6,339* | 7,026* | 7,515* |
| Far East | | | | | | |
| Communist China | 9,000 | 10,900 | 12,000 | 10,200 | 10,500 | 11,300 |
| North Korea | 2,285* | 2,400* | 2,500* | 2,500 | 2,500 | 2,500 |
| North Vietnam | 408* | 660* | 665* | 200 | 120 | 250 |
| Other | | | | | | |
| Albania | 73* | 134* | 139* | 221* | 303* | *N.A.* |
| Cuba | 813* | 801* | 750 | 835 | *N.A.* | *N.A.* |
| Yugoslavia | 2,398* | 3,102* | 3,232* | 3,313* | 3,765* | 3,964* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium [b] | 4,388* | 5,905* | 6,264* | Iceland | 73* | 114* | 108* [c] | Portugal | 1,202* | 1,680* | 2,036* |
| Canada | 5,338* | 7,665* | 7,464* | Italy | 16,014* | 20,695* | 31,236* | Turkey | 2,038* | 3,238* | 5,796* |
| Denmark | 1,442* | 2,000* | 2,280* [c] | Luxembourg | 210* | 222* | 183* [c] | United Kingdom | 13,501* | 17,243* | 17,532* |
| France | 14,349* | 22,423* | 27,696* | Netherlands | 1,798* | 2,973* | 3,300* | West Germany | 24,905* | 34,133* [d] | 35,004* [d] |
| Greece | 1,649* | 3,193* | 4,800* | Norway | 1,151* | 1,602* | 2,484* | | | | |

Other Free World Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|
| India | 7,845* | 10,578* | 13,620* | Japan | 22,537* | 32,689* | 51,387* |

* *An asterisk indicates that the data are unclassified.*

[a] All types of hydraulic cements used in construction.

[b] Excluding natural cement.

[c] Data are for the previous year.

[d] Including data for West Berlin, for which separate data are not available.



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AGRICULTURE

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**SECRET**

# SELECTED AGRICULTURAL INPUTS AND OUTPUT IN THE US AND THE

| | INVESTMENT | | | | | |
|---|---|---|---|---|---|---|
| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969† |
| UNITED STATES (billion 1955 US $) | 2.8 | 4.0 | 4.3 | 4.3 | 4.3 | 3.9 |
| Structures | 0.6 | 0.5 | 0.5 | 0.6 | 0.5 | 0.5 |
| Producers' durable equipment | 2.2 | 3.5 | 3.8 | 3.7 | 3.8 | 3.4 |
| USSR (billion new rubles 1955 prices) †† | 4.9 | 8.6 | 9.4 | 10.0 | 11.2 | 11.8 |
| Structures ††† | 3.0 | 5.0 | 5.7 | 6.1 | 6.9 | 7.1 |
| Producers' durable equipment ††† | 1.9 | 3.6 | 3.7 | 3.9 | 4.3 | 4.7 |

† Preliminary.

†† Because of the problems inherent in converting rubles to dollars, the investment data for the USSR have not been converted. Inasmuch as the purpose of the data is to show general magnitude and growth, a precise conversion is not required.

††† Estimated.

| | MINERAL FERTILIZER (nutrient content) | | | | | |
|---|---|---|---|---|---|---|
| Thousand metric tons | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
| UNITED STATES | 7,410 | 11,933 | 13,054 | 13,914 | 14,249 | 14,133 |
| USSR | 3,281 | 7,389 | 8,438 | 9,406 | 10,221 | 10,800 |

| | TRACTORS IN USE (end of year) | | | | | |
|---|---|---|---|---|---|---|
| Thousand units | 1960 | 1965 | 1966 | 1967 | 1968 | 1969‡ |
| UNITED STATES (excluding steam and garden) | 4,695 | 4,800 | 4,815 | 4,820 | 4,810 | 4,800 |
| USSR | 1,122 | 1,613 | 1,660 | 1,739 | 1,834 | 1,905 |

‡ Estimated.

| | FARM LABOR FORCE | | | | | |
|---|---|---|---|---|---|---|
| Million persons | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
| UNITED STATES | 7.1 | 5.6 | 5.2 | 4.9 | 4.7 | 4.6 |
| USSR | 44.6 | 43.1 | 41.7 | 42.4 | 40.8 | 40.2 |

**INPUTS**

| | INDEXES OF AGRICULTURAL OUTPUT 1960=100 | | | | |
|---|---|---|---|---|---|
| | 1960 | 1965 | 1966 | 1967 | 196 |
| UNITED STATES | 100 | 108 | 107 | 111 | 11 |
| USSR | 100 | 118 | 128 | 129 | 13 |

| | PRODUCTION OF GRAIN | | | | |
|---|---|---|---|---|---|
| Million metric tons | 1960 | 1965 | 1966 | 1967 | 196 |
| UNITED STATES | 181 | 183 | 183 | 206 | 20 |
| USSR | 93 | 100 | 140 | 122 | 13 |

**OUTPUT**

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Figure 19

# SELECTED AGRICULTURAL INPUTS AND OUTPUT IN THE US AND THE USSR

INVESTMENT

| D STATES<br>illion 1955 US $) | 1960 | 1965 | 1966 | 1967 | 1968 | 1969† |
|---|---|---|---|---|---|---|
| tures | 2.8 | 4.0 | 4.3 | 4.3 | 4.3 | 3.9 |
| ucers' durable ulpment | 0.6 | 0.5 | 0.5 | 0.6 | 0.5 | 0.5 |
| billion new rubles 55 prices) †† | 2.2 | 3.5 | 3.8 | 3.7 | 3.8 | 3.4 |
| tures ††† | 4.9 | 8.6 | 9.4 | 10.0 | 11.2 | 11.8 |
| ucers' durable ulpment ††† | 3.0 | 5.0 | 5.7 | 6.1 | 6.9 | 7.1 |
| | 1.9 | 3.6 | 3.7 | 3.9 | 4.3 | 4.7 |

† Preliminary.
†† Because of the problems inherent in converting rubles to dollars, the investment data for the USSR have not been converted. Inasmuch as the purpose of the data is to show general magnitude and growth, a precise conversion is not required.
††† Estimated.

MINERAL FERTILIZER (nutrient content)

d metric tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| TES | 7,410 | 11,933 | 13,054 | 13,914 | 14,249 | 14,133 |
| | 3,281 | 7,389 | 8,438 | 9,406 | 10,221 | 10,800 |

TRACTORS IN USE (end of year)

usand units

| D STATES<br>cluding<br>m and garden) | 1960 | 1965 | 1966 | 1967 | 1968 | 1969‡ |
|---|---|---|---|---|---|---|
| | 4,695 | 4,800 | 4,815 | 4,820 | 4,810 | 4,800 |
| | 1,122 | 1,613 | 1,660 | 1,739 | 1,834 | 1,905 |

stimated.

FARM LABOR FORCE

ion persons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| TES | 7.1 | 5.6 | 5.2 | 4.9 | 4.7 | 4.6 |
| | 44.6 | 43.1 | 41.7 | 42.4 | 40.8 | 40.2 |

INPUTS

INDEXES OF AGRICULTURAL OUTPUT
1960=100

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| UNITED STATES | 100 | 108 | 107 | 111 | 113 | 114 |
| USSR | 100 | 118 | 128 | 129 | 136 | 130 |

PRODUCTION OF GRAIN

Million metric tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| UNITED STATES | 181 | 183 | 183 | 206 | 201 | 196 |
| USSR | 93 | 100 | 140 | 122 | 135 | 128 |

OUTPUT

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Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 126

Production of Grain [a]

Million Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries [b] | 290* | 310* | 315* | 342* | 341* | 339* |
| United States [c] | 181* | 183* | 183* | 206* | 201* | 196* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 141* | 153* | 196* | 180* | 194* | 189 |
| USSR [d] | 93.0* | 100* | 140* | 122* | 135* | 128* |
| Eastern Europe | 48.4* | 52.8* | 55.7* | 57.8* | 59.2* | 61.2 |
| Bulgaria [e] | 4.83* | 5.23* | 6.75* | 6.48* | 5.26* | 5.98 |
| Czechoslovakia | 5.74* | 5.24* | 5.87* | 6.53* | 7.36* | 7.89 |
| East Germany [e] | 6.38* | 6.73* | 5.91* | 7.35* | 7.83* | 6.89 |
| Hungary | 6.86* | 7.29* | 7.36* | 7.52* | 7.84* | 9.05 |
| Poland [e f] | 14.8* | 16.3* | 15.9* | 16.4* | 18.2* | 18.6 |
| Romania | 9.82* | 12.0* | 13.9* | 13.5* | 12.8* | 12.8 |
| Far East | | | | | | |
| Communist China [g] | 160–165 | 190–195 | 190–195 | 205–210 | 190–195 | 195–200 |
| North Korea [h] | 3.80 | 4.50 | 4.00 | 4.70 | 5.20 | *N.A.* |
| North Vietnam [i] | 4.43* | 4.79* | *N.A.* | *N.A.* | *N.A.* | *N.A.* |
| Other | | | | | | |
| Albania [j] | 0.22* | 0.33* | 0.38 | 0.50 | 0.48 | *N.A.* |
| Cuba [k] | 0.41 | 0.07 | 0.09 | 0.10 | 0.10 | 0.20 |
| Yugoslavia | 10.9* | 10.6* | 13.9* | 13.2* | 12.1* | 13.6 |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 1.79* | 1.78* | 1.67* | Italy | 12.0* | 14.5* | 15.7* | Portugal | 1.36* | 1.59* | 1.40* |
| Canada | 25.4* | 30.7* | 34.9* | Luxembourg | 0.12* | 0.11* | 0.15* | Turkey | 12.2* | 12.6* | 14.4* |
| Denmark | 4.25* | 5.73* | 6.58* | Netherlands | 1.73* | 1.68* | 1.60* | United Kingdom | 9.47* | 13.6* | 13.5* |
| France | 22.8* | 28.6* | 32.2* | Norway | 0.60* | 0.61* | 0.58* | West Germany | 14.2* | 12.7* | 17.4* |
| Greece | 2.44* | 3.01* | 2.92* | | | | | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for barley, corn, oats, rice, rye, and wheat where they are produced.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Including sorghum for grain.

[d] Including miscellaneous grains and pulses.

[e] Including miscellaneous grains.

[f] Excluding corn.

[g] Including kaoliang, broad peas, and field peas. Tubers are included on a grain equivalent basis of four metric tons of tubers to one metric ton of grain.

[h] Including soybeans and tubers on a straight weight basis.

[i] Corn and rice only.

[j] Including buckwheat.

[k] Data reflect only rice production and government collections of corn; total production is considerably higher.


Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Table 127

Production of Breadgrain (Wheat and Rye)

Million Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries [a] | 95.2* | 105* | 105* | 110* | 114* | 110* |
| United States | 37.8* | 36.6* | 36.4* | 42.0* | 43.5* | 40.5* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 83.3* | 91.3* | 120* | 105* | 118* | 102 |
| USSR | 59.0* | 62.0* | 92.0* | 74.0* | 86.0* | 71.0* |
| Eastern Europe | 24.3* | 29.3* | 28.3* | 31.0* | 32.0* | 31.3 |
| Bulgaria | 2.46* | 2.97* | 3.25* | 3.29* | 2.57* | 2.54* |
| Czechoslovakia | 2.40* | 2.81* | 3.04* | 3.20* | 3.92* | 3.95* |
| East Germany | 3.58* | 3.71* | 3.16* | 4.00* | 4.31* | 3.79 |
| Hungary [b] | 2.12* | 2.63* | 2.43* | 2.94* | 3.07* | 3.32* |
| Poland | 10.2* | 11.7* | 11.3* | 11.6* | 13.2* | 13.3* |
| Romania | 3.55* | 5.47* | 5.16* | 5.89* | 4.90* | 4.40* |
| Other | | | | | | |
| Albania | 0.07* | 0.10 | 0.15 | 0.15 | 0.17 | N.A. |
| Yugoslavia | 3.80* | 3.62* | 4.78* | 4.99* | 4.50* | 5.01* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 0.96* | 0.95* | 0.83* | Italy | 6.90* | 9.86* | 9.61* | Portugal | 0.63* | 0.82* | 0.55* |
| Canada | 14.3* | 18.1* | 19.0* | Luxembourg | 0.05* | 0.06* | 0.05* | Turkey | 7.67* | 8.13* | 9.07* |
| Denmark | 0.77* | 0.83* | 0.56* | Netherlands | 1.05* | 0.94* | 0.88* | United Kingdom | 3.07* | 4.19* | 3.36* |
| France | 11.4* | 15.1* | 14.9* | Norway | 0.03* | 0.01* | 0.01* | West Germany | 8.74* | 7.17* | 8.89* |
| Greece | 1.72* | 2.01* | 1.76* | | | | | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Including only data for the United States and those countries listed under "Other NATO Countries."

[b] Excluding fodder wheat.



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Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 128

Production of Coarse Grain (Barley, Corn, and Oats)

Million Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries [a] | 191* | 201* | 206* | 226* | 222* | 223* |
| United States [b] | 141* | 143* | 143* | 160* | 153* | 151* |
| Communist Countries [c] | | | | | | |
| USSR and Eastern Europe | 58.0* | 60.4* | 74.2* | 73.7* | 75.2* | 85.7 |
| USSR [d] | 34.0* | 37.0* | 47.0* | 47.0* | 48.0* | 56.0* |
| Eastern Europe | 24.0* | 23.4* | 27.2* | 26.7* | 27.2* | 29.7 |
| Bulgaria | 2.34* | 2.22* | 3.45* | 3.13* | 2.65* | 3.39 |
| Czechoslovakia [e] | 3.34* | 2.42* | 2.83* | 3.33* | 3.44* | 3.94 |
| East Germany | 2.80* | 3.02* | 2.75* | 3.35* | 3.52* | 3.10 |
| Hungary [e] | 4.69* | 4.64* | 4.90* | 4.54* | 4.74* | 5.68 |
| Poland [f] | 4.58* | 4.58* | 4.62* | 4.81* | 5.01* | 5.21 |
| Romania [e] | 6.22* | 6.49* | 8.67* | 7.55* | 7.80* | 8.34 |
| Far East | | | | | | |
| North Vietnam [g] | 0.21* | 0.28* | *N.A.* | *N.A.* | *N.A.* | *N.A.* |
| Other | | | | | | |
| Albania | 0.14* | 0.22 | 0.22 | 0.34 | 0.30 | *N.A.* |
| Cuba [g h] | 0.10 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 |
| Yugoslavia [e] | 7.06* | 6.94* | 9.08* | 8.26* | 7.56* | 8.58 |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium [f] | 0.83* | 0.82* | 0.84* | Italy | 4.48* | 4.13* | 5.28* | Portugal | 0.58* | 0.63* | 0.67* |
| Canada | 11.1* | 12.6* | 15.8* | Luxembourg [f] | 0.06* | 0.05* | 0.10* | Turkey | 4.34* | 4.35* | 5.18* |
| Denmark [f] | 3.48* | 4.90* | 6.02* | Netherlands [f] | 0.68* | 0.74* | 0.71* | United Kingdom [f] | 6.40* | 9.42* | 10.1* |
| France | 11.3* | 13.3* | 17.2* | Norway [f] | 0.57* | 0.60* | 0.57* | West Germany | 5.44* [f] | 5.51* | 8.51* |
| Greece | 0.66* | 0.90* | 1.05* | | | | | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Including only data for the United States and those countries listed under "Other NATO Countries."

[b] Including sorghum for grain.

[c] Unless otherwise indicated, data include miscellaneous grains.

[d] Including pulses.

[e] Excluding miscellaneous grains.

[f] Excluding corn.

[g] Corn only.

[h] Data reflect government collections only; total production is considerably higher.


Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 129

Production of Rice [a]

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries [b] | 3,540* | 4,480* | 5,020* | 5,340* | 5,940* | 5,530* |
| United States | 2,476* | 3,460* | 3,856* | 4,054* | 4,777* | 4,090* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 313* | 681* | 845* | 1,070* | 1,200* | 1,280 |
| USSR | 187* | 580* | 710* | 900* | 1,063* | 1,100* |
| Eastern Europe | 126* | 101* | 135* | 168* | 140* | 177 |
| Bulgaria | 32* | 34* | 48* | 57* | 39* | 53 |
| Hungary | 45* | 21* | 31* | 43* | 41* | 46 |
| Romania | 49* | 46* | 56* | 68* | 60* | 78 |
| Far East | | | | | | |
| North Korea | 1,513 | N.A. | N.A. | N.A. | 2,000 | N.A. |
| North Vietnam | 4,212* | 4,512* | 4,200 | 4,000 | 3,800 | 4,000 |
| Other | | | | | | |
| Albania | 5* | 10* | 10* | 11* | 14 | N.A. |
| Cuba | 306* | 50 | 68 | 94 | 94 | 190 |
| Yugoslavia | 22* | 25* | 23* | 20* | 18* | 20* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| France | 103* | 98* | 105* | Italy | 622* | 509* | 850* | Turkey | 138* | 165* | 203* |
| Greece | 54* | 105* | 108* [c] | Portugal | 151* | 139* | 177* | | | | |

Other Free World Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Burma | 7,575* | 8,055* | 8,350* | Japan [d] | 16,074* | 15,511* | 17,568* | South Vietnam [e] | 5,092* | 5,185* | 4,366* |
| India [d] | 51,348* | 46,029* | 63,000* | Pakistan [d] | 16,068* | 17,742* | 21,267* | Thailand | 7,788* | 9,199* | 14,000* |
| Indonesia | 12,849* | 13,700* | 16,615* [c] | | | | | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Rough, or paddy, rice. Unless otherwise indicated, crop production statistics for the Northern Hemisphere relate generally to the harvests of the spring, summer, and autumn of the year stated, but for the more southerly regions of this hemisphere they relate to harvests continuing into the early part of the following year. For the Southern Hemisphere these data relate to crops generally harvested in the latter part of the year stated and the first half of the following year.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Data are for the previous year.

[d] Estimated from planted acreage.

[e] Data are as of 31 May of the stated year.


Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Table 130

Production of Potatoes [a]

Million Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries [b] | 77.4* | 65.3* | 66.6* | 71.1* | 67.7* | 62.1* |
| United States | 11.68* | 13.15* | 13.92* | 13.85* | 13.34* | 13.94* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 148* | 152* | 159* | 169* | 178* | 155* |
| USSR | 84.37* | 88.68* | 87.85* | 95.46* | 102.18* | 91.70* |
| Eastern Europe | 63.9* | 63.8* | 71.0* | 73.7* | 75.4* | 63.2* |
| Bulgaria | 0.48* | 0.28* | 0.42* | 0.38* | 0.37* | 0.33* |
| Czechoslovakia | 5.09* | 3.68* | 5.85* | 6.04* | 6.53* | 5.02* |
| East Germany | 14.82* | 12.86* | 12.82* | 14.07* | 12.64* | 9.14* |
| Hungary | 2.66* | 1.48* | 2.43* | 1.51* | 1.34* | 1.58* |
| Poland | 37.86* | 43.26* | 46.14* | 48.62* | 50.82* | 44.85* |
| Romania | 3.01* | 2.20* | 3.35* | 3.10* | 3.71* | 2.23* |
| Far East | | | | | | |
| North Vietnam | 0.92* [c] | 1.18* [d] | *N.A.* | *N.A.* | *N.A.* | *N.A.* |
| Other | | | | | | |
| Albania | 0.02* | 0.02* | 0.11* | 0.12* | 0.16 | *N.A.* |
| Cuba [e] | 0.09* | 0.08 | 0.10 | 0.10 | 0.12 | *N.A.* |
| Yugoslavia | 3.27* | 2.38* | 3.23* | 2.80* | 2.89* | 3.14* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium [f] | 2.05* | 1.42* | 1.53* | Greece | 0.42* | 0.59* | 0.67* | Portugal | 1.04* | 0.80* | 1.08* |
| Canada | 2.06* | 2.11* | 2.28* | Italy | 3.82* | 3.55* | 3.84* | Turkey | 1.40* | 1.68* | 1.80* |
| Denmark | 1.96* | 0.94* | 0.59* | Netherlands | 3.97* | 3.24* | 4.61* | United Kingdom | 7.27* | 7.58* | 6.16* |
| France | 15.89* | 11.07* | 8.81* | Norway | 1.25* | 1.13* | 0.77* | West Germany | 24.54* | 18.09* | 15.98* |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for Irish potatoes.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Sweet potatoes and manioc.

[d] Sweet potatoes only.

[e] Data reflect government collections only; total production is considerably higher.

[f] Including data for Luxembourg.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 131

Production of Meat [a]

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries [b] | 24,700* | 28,100* | 28,900* | 29,600* | 30,600* | 30,200* |
| United States | 12,795* | 14,304* | 14,797* | 15,530* | 16,000* | 16,030* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 10,800 | 12,800 | 13,500 | 14,400 | 14,700 | 14,300 |
| USSR [c] | 7,380* | 8,800* | 9,400* | 10,100* | 10,200* | 9,800* |
| Eastern Europe | 3,380 | 4,010 | 4,120 | 4,270 | 4,530 | 4,520 |
| Bulgaria | 174 | 278 | 293 | 296 | 320 | 291 |
| Czechoslovakia | 483 | 599 | 580 | 605 | 660 | 625 |
| East Germany | 730 | 861 | 906 | 946 | 982 | 998 |
| Hungary [d] | 430* | 476* | 469 | 472 | 532 | 523 |
| Poland [e] | 1,148 | 1,334 | 1,368 | 1,409 | 1,440 | 1,500 |
| Romania | 414 | 462 | 500 | 542 | 592 | 587 |
| Other | | | | | | |
| Albania | 14 | 14 | 15 | 12 | *N.A.* | *N.A.* |
| Yugoslavia [d] | 522* | 639* | 558* | 636* | 655* | 600* |

Other NATO Countries [f]

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium [g] | 447* | 474* | 626* | Greece [h] | 115* | 181* | 196* | Portugal | 156* | 167* | 175* [i] |
| Canada | 1,114* | 1,327* | 1,373* | Italy | 1,104* | 1,085* | 1,423* | Turkey [h] | 412* | 440* | 485* |
| Denmark | 766* | 896* | 864* | Netherlands | 704* | 794* | 885* | United Kingdom [h] | 1,718* | 2,019* | 2,000* |
| France | 2,613* | 3,044* | 2,903* | Norway | 122* | 132* | 142* | West Germany | 2,617* | 3,074* | 3,076* |

Other Free World Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Argentina | 2,263* | 2,445* | 3,197* | Brazil | 1,872* | 2,039* | 2,209* | Mexico [j] | 655* | 812* | 886* |
| Australia | 1,359* | 1,743* | 1,770* | Japan [j] | 322* | 640* | 733* | New Zealand | 748* | 797* | 977* |

* *An asterisk indicates that the data are unclassified.*

[a] Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, lamb, and goat where they are produced. Unless otherwise indicated, data exclude horsemeat, rabbit, poultry, edible offal, and lard.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Including poultry, edible offal, and slaughter fats.

[d] Including horsemeat and live exports.

[e] Including horsemeat and edible offal.

[f] Unless otherwise indicated, data include horsemeat.

[g] Including data for Luxembourg.

[h] Excluding horsemeat.

[i] Data are for the previous year.

[j] Including horsemeat.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9



Table 132

Production of Milk [a]

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries [b] | 149,000* | 154,000* | 155,000* | 157,000* | 158,000* | 157,000* |
| United States | 55,702* | 56,324* | 54,382* | 53,873* | 53,198* | 52,707* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 82,600* | 96,900* | 102,000* | 107,000* | 110,000* | 109,000* |
| USSR | 55,500* | 68,200* | 71,400* | 75,100* | 77,400* | 76,700* |
| Eastern Europe | 27,100* | 28,700* | 30,700* | 31,900* | 32,300* | 32,600* |
| Bulgaria | 744* | 1,000* | 1,058* | 1,210* | 1,198* | 1,204* |
| Czechoslovakia [c] | 3,830* | 3,924* | 4,169* | 4,335* | 4,550* | 4,759* |
| East Germany [d] | 5,730* | 6,371* | 6,728* | 6,904* | 7,227* | 7,270* |
| Hungary [c] | 1,957* | 1,762* | 1,849* | 1,976* | 1,931* | 1,926* |
| Poland | 12,488* | 13,330* | 14,221* | 14,480* | 14,628* | 14,672* |
| Romania | 2,356* | 2,302* | 2,674* | 2,971* | 2,745* | 2,755* |
| Other | | | | | | |
| Albania | 44 | 45 | 44 | *N.A.* | *N.A.* | *N.A.* |
| Cuba | 742* | 620* | 690 | 680* | 650* | *N.A.* |
| Yugoslavia | 2,280* | 2,303* | 2,510* | 2,605* | 2,710* | 2,750* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 3,891* | 3,941* | 4,082* | Greece | 392* | 491* | 599* | Norway | 1,613* | 1,625* | 1,769* |
| Canada | 8,385* | 8,328* | 8,437* | Italy | 9,648* | 9,184* | 9,117* | Turkey | 2,241* | 2,446* | 2,700* |
| Denmark | 5,399* | 5,367* | 5,021* | Luxembourg | 185* | 188* | 204* | United Kingdom | 12,670* | 11,386* [e] | 11,567* [e] |
| France | 22,652* | 26,771* | 31,298* | Netherlands | 6,838* | 7,142* | 7,802* | West Germany | 19,250* | 21,253* | 22,090* |

* *An asterisk indicates that the data are unclassified.*

[a] Whole milk from cows.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Including milk sucked by young animals.

[d] In terms of 3.5% butter-fat content.

[e] Total sales off-farm.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 133

Production of Sugar [a]

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries [b] | 12,000* | 13,200* | 13,100* | 13,900* | 14,200* | N.A.* |
| United States [c] | 3,637* | 4,871* | 4,789* | 4,802* | 5,105* | 4,971* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 10,600* | 15,300* | 14,500* | 14,900* | 15,400* | N.A. |
| USSR [d] | 6,363* | 11,037* | 9,740* | 9,939* | 10,767* | 10,300* |
| Eastern Europe | 4,210* | 4,240* | 4,740* | 4,930* | 4,620* | N.A. |
| Bulgaria [e] | 186* | 342* | 385* | 432* | 313* | 343* |
| Czechoslovakia [e] | 958* | 874* | 1,070* | 1,039* | 990* | *N.A.* |
| East Germany [e] | 739* | 619* | 671* | 681* | 660* | *N.A.* |
| Hungary [e] | 414* | 465* | 473* | 469* | 433* | 453* |
| Poland | 1,484* | 1,505* | 1,663* | 1,823* | 1,810* | 1,686* |
| Romania | 425* | 437* | 480* | 484* | 417* | 466* |
| Far East | | | | | | |
| Communist China [c] | 920 | 1,500 | 1,500 | 1,700 | 1,600 | 1,600 |
| Other | | | | | | |
| Albania | 15* | 16* | 17* | 16* | 17* | *N.A.* |
| Cuba [f g] | 5,862* | 6,220* | 4,530* | 6,340* | 5,280* | 4,540* |
| Yugoslavia | 289* | 369* | 512* | 508* | 433* | 514* |

Other NATO Countries

| | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium [h] | 507* | 431* | 575* | Greece | 0* | 103* | 96* | Turkey | 699* | 567* | 700* |
| Canada | 152* | 137* | 128* | Italy | 998* | 1,241* | 1,290* | United Kingdom | 860* | 973* | 937* |
| Denmark | 322* | 260* | 341* | Netherlands | 669* | 595* | 714* | West Germany | 1,877* | 1,601* | 1,974* |
| France | 2,267* | 2,377* | 2,301* | Portugal [c i] | 14* | 17* | 14* | | | | |

Other Free World Countries [j]

| | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Australia | 1,441* | 2,073* | 2,800* | Dominican Republic | 1,112* | 583* | 666* | Mexico | 1,530* | 2,107* | 2,336* |
| Brazil | 3,319* | 4,614* | 4,382* | India | 2,814* | 3,493* | 2,375* | Philippines | 1,398* | 1,659* | 1,650* |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for beet sugar produced in the calendar year. Data are given in terms of the raw value of centrifugal sugar. Refined sugar is equal to approximately 92% of raw sugar by weight. Centrifugal, as distinguished from noncentrifugal, sugar includes cane and beet sugar produced by the centrifugal process and is the principal type of sugar moving in international trade.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Including cane sugar.

[d] Refined, including imported raw sugar.

[e] Including raw sugar imported for refining.

[f] Raw cane sugar of 96° polarization.

[g] Crop years ending 30 June of the stated year.

[h] Including data for Luxembourg.

[i] Data are for the Azores and Madeira only.

[j] Cane sugar only.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 134

Fish Catch [a]

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries | 10,100* | 12,300* | 12,900* | 13,000* | 12,800* | N.A.* |
| United States | 2,814.7* | 2,724.3* | 2,542.9* | 2,430.5* | 2,442.0* | N.A.* |
| Communist Countries [b] | | | | | | |
| USSR and Eastern Europe | 3,880* | 6,380* | 6,740* | 7,280* | 7,530* | N.A. |
| USSR | 3,541.2* | 5,774.0* | 6,093.0* | 6,538.0* | 6,700.0* | 7,300.0* |
| Eastern Europe | 339* | 607* | 644* | 738* | 828* | N.A. |
| Bulgaria [c] | 7.9* | 17.3* | 23.6* | 39.3* | 54.8* | 77.2* |
| Czechoslovakia | 8.8* | 11.0* | 11.5* | 11.8* | 13.8* | N.A. |
| East Germany | 114.4* | 229.4* | 222.1* | 290.0* | 303.0* | 270.0* |
| Hungary | 14.9* | 24.8* | 26.7* | 28.3* | 29.9* | N.A. |
| Poland [d] | 168.0* | 280.1* | 316.5* | 321.4* | 385.5* | 397.2* |
| Romania | 25.0* | 44.3* | 43.7* | 46.7* | 40.5* | N.A. |
| Far East | | | | | | |
| North Korea | 465.0* | 785.0* | 700.0 | N.A. | N.A. | N.A. |
| Other | | | | | | |
| Albania | 2.6* | 4.3* | 4.9* | 5.6* | N.A. | N.A. |
| Cuba | 31.2* | 40.3* | 43.2* | 62.9* | 65.7* | 85.0* |
| Yugoslavia [e] | 30.9* | 41.9* | 45.5* | 48.0* | 45.0* | N.A. |

Other NATO Countries

| | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 63.7* | 59.8* | 68.4* | Italy | 249.5* | 353.8* [g] | 363.4* [g] | Turkey [e] | 89.4* | 135.7* | 122.7* [f] |
| Canada | 934.5* | 1,262.3* | 1,490.3* | Netherlands [h] | 314.7* | 377.0* | 323.3* | United Kingdom | 923.8* | 1,047.3* | 1,040.3* |
| Denmark | 581.2* | 840.8* | 1,466.8* | Norway | 1,543.0* | 2,307.3* | 2,804.1* | West Germany | 674.0* | 632.7* | 682.3* [g] |
| France | 734.2* | 767.6* | 793.6* | Portugal [i] | 475.1* | 553.6* | 559.8* [f] | | | | |
| Greece [e] | 87.0* | 82.4* [d] | 85.1* [d f] | | | | | | | | |
| Iceland | 592.8* | 1,199.0* | 660.7* | | | | | | | | |

Other Free World Countries

| | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| India [e] | 1,161.4* | 1,331.3* | 1,526.0* | Peru [e] | 3,569.1* | 7,461.9* | 10,520.3* | Spain | 969.9* | 1,341.5* | 1,503.1* |
| Japan | 6,192.7* | 6,907.7* | 8,669.8* | | | | | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are in terms of live weight for all species of fish and seaweed, crustaceans, and mollusks, but exclude aquatic mammals.

[b] Including aquatic mammals.

[c] Commercial catch only.

[d] Salt water catch only.

[e] Including landed weight.

[f] Data are for the previous year.

[g] Including official estimates for catches not covered by the standard collection system.

[h] Including quantities landed by foreign fishing craft in Netherlands ports.

[i] Including data for the Azores and Madeira.


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Table 135

Number of Cattle [a]

Million Head

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 |
|---|---|---|---|---|---|---|---|
| NATO Countries [b] | 185* | 202* | 204* | 205* | 206* | 208* | 211* |
| United States | 96.42* | 109.00* | 108.86* | 108.64* | 109.15* | 109.88* | 112.33* |
| Communist Countries | | | | | | | |
| USSR and Eastern Europe | 99.3* | 114* | 120* | 125* | 125* | 124* | 123* |
| USSR | 74.16* | 87.17* | 93.44* | 97.11* | 97.17* | 95.74* | 95.00* |
| Eastern Europe | 25.2* | 26.6* | 26.9* | 27.9* | 28.3* | 28.4* | 27.9* |
| Bulgaria | 1.28* | 1.47* | 1.45* | 1.38* | 1.36* | 1.30* | 1.25* |
| Czechoslovakia | 4.30* | 4.44* | 4.39* | 4.46* | 4.44* | 4.25* | 4.22* |
| East Germany [c] | 4.46* [d] | 4.68* | 4.76* | 4.92* | 5.02* | 5.11* | 5.17* |
| Hungary | 1.97* [e] | 1.94* | 1.92* | 1.97* | 2.05* | 2.02* | 1.92* |
| Poland | 8.70* [f] | 9.35* | 9.48* | 10.00* | 10.12* | 10.53* | 10.29* |
| Romania | 4.45* | 4.76* | 4.94* | 5.20* | 5.33* | 5.14* | 5.03* |
| Far East | | | | | | | |
| North Korea | 0.67* | 0.69 | *N.A.* | *N.A.* | *N.A.* | 0.80 | *N.A.* |
| North Vietnam [g] | 2.40* | 2.38* | 2.44* | 2.47* | 2.50* | *N.A.* | *N.A.* |
| Other | | | | | | | |
| Albania [g] | 0.43* | 0.43* | 0.43* | 0.42 | *N.A.* | *N.A.* | *N.A.* |
| Cuba | 5.76* | 6.61 | 6.70 | 6.77 | 7.10* | *N.A.* | *N.A.* |
| Yugoslavia | 5.30* | 5.22* | 5.58* | 5.71* | 5.69* | 5.26* | 5.01* |

Other NATO Countries

| | 1960 | 1965 | 1970 | | 1960 | 1965 | 1970 | | 1960 | 1965 | 1970 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium [h] | 2.69* | 2.69* | 2.94* | Greece [g] | 1.12* | 1.12* | 1.08* | Portugal | 1.11* | 1.11* | 1.07* [i] |
| Canada [i] | 10.49* | 11.90* | 11.83* | Italy [g] | 9.40* | 9.23* | 10.28* | Turkey [g] | 13.48* | 14.41* | 15.26* |
| Denmark [j] | 3.31* | 3.18* | 2.90* | Netherlands | 3.16* | 3.32* | 3.92* | United Kingdom | 11.48* | 11.69* | 12.31* |
| France [k] | 18.74* | 20.24* | 21.89* | Norway | 1.08* | 1.05* | 0.99* | West Germany | 12.48* | 13.05* | 14.29* |

Other Free World Countries

| | 1960 | 1965 | 1970 | | 1960 | 1965 | 1970 | | 1960 | 1965 | 1970 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Argentina [f] | 43.40* | 45.00* | 52.50* | Brazil | 72.83* | 84.10* | 91.12* | World total [n] | 1,007.02* | 1,099.70* | 1,176.90* |
| Australia [m] | 16.50* | 18.78* | 21.50* | | | | | | | | |

* *An asterisk indicates that the data are unclassified.*
[a] Unless otherwise indicated, data are as of the beginning of the year.
[b] Including only data for the United States and those countries listed under "Other NATO Countries."
[c] Unless otherwise indicated, data are as of 30 November of the previous year.
[d] As of 3 December of the previous year.
[e] As of March of the stated year.
[f] As of 30 June of the stated year.
[g] Including buffaloes.
[h] Including data for Luxembourg.
[i] Excluding data for Newfoundland.
[j] Including data for the Faeroe Islands and Greenland.
[k] As of 31 October of the previous year.
[l] Data are for the previous year.
[m] As of 31 March of the previous year.
[n] Estimated, including countries for which data are not available.



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Table 136

Number of Hogs [a]

Million Head

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 |
|---|---|---|---|---|---|---|---|
| NATO Countries [b] | 113* | 113* | 109* | 115* | 126* | 128* | 130* |
| United States | 59.03* | 50.79* | 47.41* | 53.25* | 58.78* | 60.63* | 56.74* |
| Communist Countries | | | | | | | |
| USSR and Eastern Europe | 91.9* | 97.6* | 103* | 101* | 94.8* | 92.2* | 98.5* |
| USSR | 53.37* | 52.84* | 59.58* | 58.03* | 50.87* | 49.05* | 56.10* |
| Eastern Europe | 38.5* | 44.8* | 43.2* | 43.1* | 43.9* | 43.1* | 42.4* |
| Bulgaria | 2.27* | 2.61* | 2.41* | 2.28* | 2.31* | 2.14* | 1.97* |
| Czechoslovakia | 5.69* | 6.14* | 5.54* | 5.30* | 5.60* | 5.14* | 5.04* |
| East Germany [c] | 8.28* [d] | 8.76* | 8.88* | 9.31* | 9.25* | 9.52* | 9.24* |
| Hungary | 5.36* [e] | 7.04* | 6.59* | 6.12* | 6.65* | 5.81* | 5.40* |
| Poland | 12.62* [f] | 14.20* | 14.37* | 14.70* | 14.38* | 14.68* | 14.76* |
| Romania | 4.30* | 6.03* | 5.36* | 5.40* | 5.75* | 5.85* | 5.97* |
| Far East | | | | | | | |
| North Korea | 1.12* | 1.21 | *N.A.* | *N.A.* | *N.A.* | 2.20 | *N.A.* |
| North Vietnam | 3.63* | 4.48* | 4.84* | 5.10* | 5.20* | *N.A.* | *N.A.* |
| Other | | | | | | | |
| Albania | 0.12* | 0.15* | 0.14* | 0.14 | *N.A.* | *N.A.* | *N.A.* |
| Cuba | 1.72* | 1.75 | 1.81 | *N.A.* | *N.A.* | *N.A.* | *N.A.* |
| Yugoslavia | 6.21* | 6.98* | 5.12* | 5.52* | 5.86* | 5.09* | 4.85* |

Other NATO Countries

| | 1960 | 1965 | 1970 | | 1960 | 1965 | 1970 | | 1960 | 1965 | 1970 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium [g] | 1.73* | 1.85* | 3.18* | Greece | 0.64* | 0.62* | 0.62* | Portugal | 1.80* | 1.56* | 1.38* [k] |
| Canada [h] | 6.42* | 5.58* | 6.46* | Italy | 4.15* | 5.41* | 9.22* | Turkey | 0.01* | 0.02* | 0.02* |
| Denmark [i] | 6.20* | 8.20* | 8.35* | Netherlands | 2.94* | 3.52* | 5.30* | United Kingdom | 6.01* | 7.94* | 8.14* |
| France [j] | 8.36* | 9.04* | 10.62* | Norway | 0.46* | 0.52* | 0.57* | West Germany | 14.88* | 18.15* | 19.32* |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are as of the beginning of the year.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Unless otherwise indicated, data are as of 30 November of the previous year.

[d] As of 3 December of the previous year.

[e] As of March of the stated year.

[f] As of 30 June of the stated year.

[g] Including data for Luxembourg.

[h] Excluding data for Newfoundland.

[i] Including data for the Faeroe Islands.

[j] As of 31 October of the previous year.

[k] Data are for the previous year.


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Table 137

Production of Ginned Cotton

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries [a] | 3,340* | 3,660* | 2,560* | 2,110* | 2,890* | 2,690* |
| United States | 3,107.3* | 3,259.9* | 2,084.7* | 1,623.8* | 2,383.6* | 2,194.6* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 1,480* | 1,940* | 2,060* | 2,050* | 2,030* | 1,960* |
| USSR | 1,458.0* | 1,925.0* | 2,034.0* | 2,030.0* | 2,022.0* | 1,941.0* |
| Eastern Europe | 21.1* | 12.6* | 22.8* | 18.5* | 10.3* | 14.5* |
| Bulgaria | 21.1* | 12.6* | 22.8* | 18.5* | 10.3* | 14.5* |
| Far East | | | | | | |
| Communist China | 1,200.0 | 1,000.0 | 1,200.0 | 1,300.0 | 1,300.0 | 1,400.0 |
| Other | | | | | | |
| Albania | 5.4* | 8.2* | 8.2* | 7.3* | *N.A.* | *N.A.* |
| Cuba | 7.2* | 0.8 | 0.5 | 1.0 | *N.A.* | *N.A.* |
| Yugoslavia | 2.4* | 1.7* | 2.0* | 3.4* | 3.1* | 2.7* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Greece | 62.7* | 74.0* | 104.5* | Italy | 5.7* | 4.4* | 1.7* | Turkey | 168.7* | 326.6* | 386.5* |

Other Free World Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Argentina | 123.9* | 104.5* | 103.4* | UAR | 478.1* | 518.2* | 511.6* | Mexico | 457.2* | 571.5* | 370.1* |
| Brazil | 424.6* | 544.3* | 762.0* | India | 1,008.0* | 1,001.5* | 1,110.4* | Pakistan | 304.4* | 416.9* | 533.4* |

* *An asterisk indicates that the data are unclassified.*

[a] Including only data for the United States and those countries listed under "Other NATO Countries." Data are for the crop year beginning 1 August of the stated year.



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Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 138

Production of Wool [a]

Thousand Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries [b] | 327* | 288* | 285* | 284* | 277* | 271* |
| United States | 146.3* | 109.4* | 107.0* | 103.0* | 96.4* | 90.7* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 427* | 436* | 451* | 481* | 505* | 478 |
| USSR | 356.8* | 356.9* | 371.0* | 395.0* | 415.0* | 390.0* |
| Eastern Europe | 70.3* | 78.8* | 79.8* | 85.8* | 90.3* | 87.8 |
| Bulgaria | 21.0* | 25.8* | 25.5* | 27.2* | 28.5* | 28.0 |
| Czechoslovakia | 2.5* | 2.0* | 2.2* | 2.7* | 3.2* | 3.2 |
| East Germany | 7.7* | 8.0* | 8.1* | 8.0* | 7.9* | 7.9 |
| Hungary | 8.3* | 10.1* | 9.9* | 10.1* | 10.9* | 10.9 |
| Poland | 9.0* | 7.5* | 8.0* | 8.6* | 8.8* | 8.8* |
| Romania | 21.8* | 25.4* | 26.1* | 29.2* | 31.0* | 29.0 |
| Other | | | | | | |
| Albania | 2.2 | 2.3 | 2.2 | 2.2 | *N.A.* | *N.A.* |
| Yugoslavia | 13.6* | 12.6* | 13.5* | 13.8* | 14.0* | 13.0* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Canada | 3.8* | 2.6* | 1.4* [c] | Italy | 13.4* | 15.5* | 13.5* | Turkey | 47.4* | 43.0* | 48.0* |
| France | 29.5* | 27.7* | 30.9* | Norway | 3.6* | 5.0* | 5.0* | United Kingdom | 55.0* | 58.6* | 56.2* |
| Greece | 11.4* | 11.8* | 7.7* | Portugal | 11.0* | 11.8* | 13.9* | West Germany | 5.2* | 3.1* | 3.5* |

Other Free World Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Argentina | 221.1* | 211.0* | 202.0* | India | 34.1* | 35.0* | 36.0* | South Africa [d] | 135.7* | 164.4* | 150.8* |
| Australia | 740.3* | 754.2* | 906.1* | New Zealand | 266.7* | 315.2* | 333.4* | Uruguay | 82.0* | 84.0* | 74.8* |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, raw wool (grease basis) from sheep, which includes both shorn and pulled wool together with the wool element of "wooled sheepskins."

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Excluding pulled wool.

[d] Including data for Lesotho and South-West Africa.



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Table 139

Production of Grain Combines [a] in the United States, the United Kingdom, and Selected Communist Countries

Units

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| United States | 30,165* | 37,606* | 46,283* | 39,962* | 31,600* [b] | 23,300* [b] |
| United Kingdom [b] | 3,213* | 5,243* | 3,786* | 2,719* | 3,721* | *N.A.** |
| COMMUNIST COUNTRIES | | | | | | |
| USSR and Eastern Europe | 67,000* | 91,200* | 99,700* | 109,000* | 112,000* | 105,000* |
| USSR | 59,000* | 85,800* | 92,000* | 101,200* | 101,300* | 94,500* |
| Eastern Europe | 8,040* | 5,380* | 7,660* | 8,140* | 10,300* | 10,200* |
| East Germany | 1,972* | 1,585* | 1,588* | 955* | 800* | 1,000* |
| Poland | 564* | 1,781* | 2,024* | 2,232* | 1,950* | 2,220* |
| Romania | 5,500* | 2,012* | 4,049* | 4,959* | 7,518* | 7,000* |

* *An asterisk indicates that the data are unclassified.*
[a] Tractor-drawn and self-propelled.
[b] Shipments.

Table 140

Production of Tractors [a]

Thousand Units

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO COUNTRIES [b] | 581* | 708* | 732* | 670* | 659* | 643* |
| United States | 178.5* | 271.8* | 299.1* | 262.1* | 236.0* | 217.1* [c] |
| COMMUNIST COUNTRIES | | | | | | |
| USSR and Eastern Europe | 308* | 442* | 472* | 499* | 525* | 551* |
| USSR | 238.5* | 354.5* | 382.5* | 405.1* | 423.4* | 441.8* |
| Eastern Europe | 69.0* | 87.5* | 90.0* | 94.1* | 102* | 109* |
| Bulgaria | 0* [d] | 3.8* | 3.2* | 3.3* | 4.2* | 5.3* |
| Czechoslovakia | 32.5* | 30.5* | 28.2* | 28.7* | 24.4* | 18.6* |
| East Germany | 9.1* | 12.9* | 12.2* | 11.1* | 14.2* | 14.5* |
| Hungary | 2.6* | 3.0* | 3.3* | 3.6* | 2.8* | 1.7* |
| Poland | 7.7* | 21.5* | 24.6* | 29.8* | 35.0* | 44.2* |
| Romania | 17.1* | 15.8* | 18.5* | 17.6* | 21.2* | 24.9* |
| Far East | | | | | | |
| Communist China [e] | 10.8 | 13.7 | 17.6 | 15.3 | 16.4 | 18–20 |
| North Korea | 3.0* | 4.4 | 5.0 | 6.0 | 7.0 | 7.5 |
| Other | | | | | | |
| Yugoslavia | 7.3* | 7.4* | 8.7* | 8.8* | 10.9* | 10.8* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| France | 63.4* | 90.0* | 67.7* | United Kingdom [f] | 181.0* | 178.5* [g] | 179.2* [g h] | West Germany [i] | 120.7* | 105.0* | 107.0* |
| Italy | 37.6* | 62.7* | 72.0* | | | | | | | | |

* *An asterisk indicates that the data are unclassified.*
[a] Physical units.
[b] Including only data for the United States and those countries listed under "Other NATO Countries." The data exclude garden-type tractors.
[c] Data for wheel-type tractors are shipments.
[d] Production began in 1960 but was limited to a test series.
[e] Excluding garden-type tractors.
[f] Including industrial wheeled tractors.
[g] Shipments.
[h] Data are for the previous year.
[i] Excluding tracklaying tractors.


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TRANSPORTATION AND
COMMUNICATIONS

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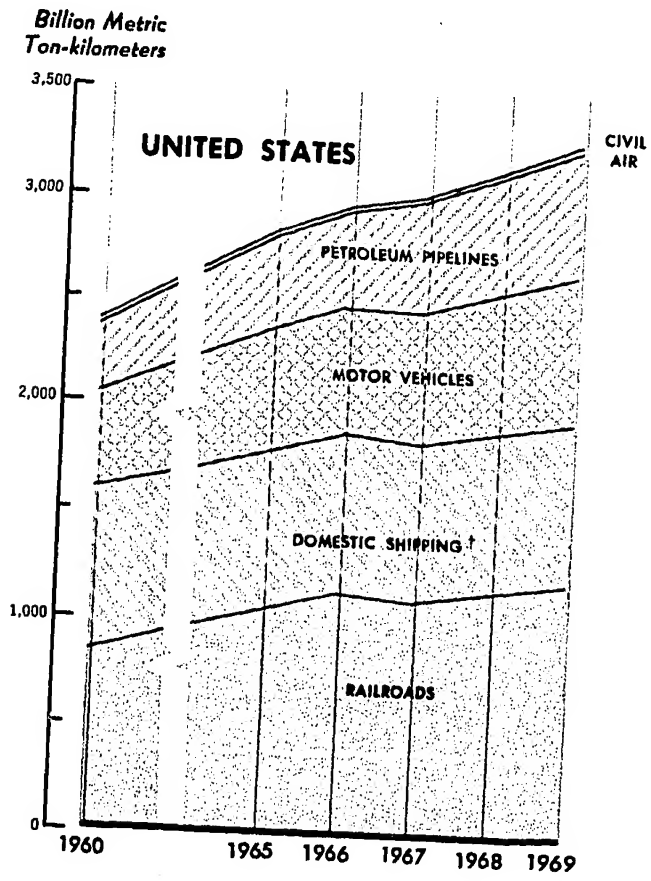
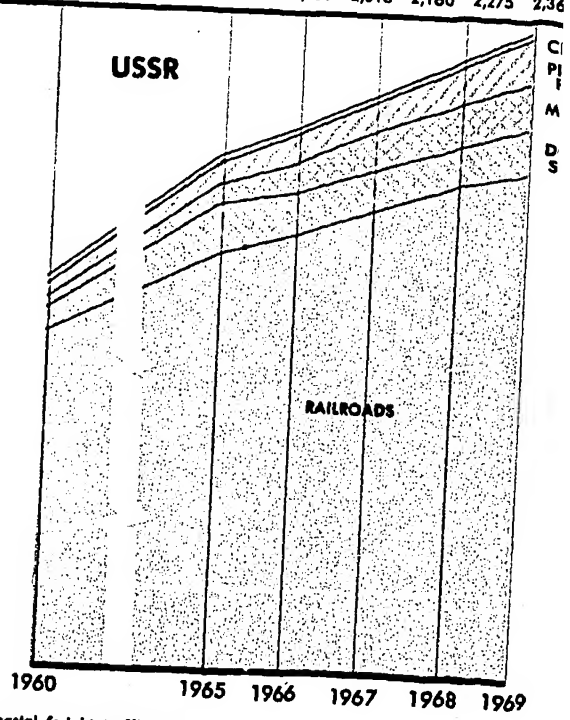
# DOMESTIC TRANSPORT PERFORMANCE IN THE US AND THE USSR




| | BILLION METRIC TON–KILOMETERS | | | | | |
|---|---|---|---|---|---|---|
| | 1960 | 1965 | 1966 | 1967 | 1968 | 19 |
| UNITED STATES | | | | | | |
| Civil air | 2,370 | 2,810 | 2,970 | 3,000 | 3,110 | 3,2 |
| Petroleum pipelines | 1 | 3 | 4 | 5 | 6 | |
| Motor vehicles | 334 | 447 | 486 | 527 | 571 | 6 |
| Domestic shipping† | 473 | 589 | 625 | 637 | 650 | 7 |
| Railroads | 695 | 715 | 740 | 752 | 759 | 7 |
| USSR | 868 | 1,053 | 1,112 | 1,083 | 1,122 | 1,1 |
| Civil air | 1,790 | 2,420 | 2,520 | 2,710 | 2,890 | 3,0 |
| Petroleum pipelines | 1 | 1 | 1 | 2 | 2 | |
| Motor vehicles | 51 | 147 | 165 | 183 | 216 | 2 |
| Domestic shipping† | 99 | 143 | 155 | 170 | 187 | 1 |
| Railroads | 138 | 181 | 188 | 197 | 211 | 2 |
| | 1,504 | 1,950 | 2,016 | 2,160 | 2,275 | 2,36 |

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† Including inland waterway, coastal, and intercoastal freight traffic. The US data include Great Lakes freight traffic, and the Soviet data include Caspian Sea freight traffic.

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2000/09/14 : CIA-RDP85T00875R001500200001-9

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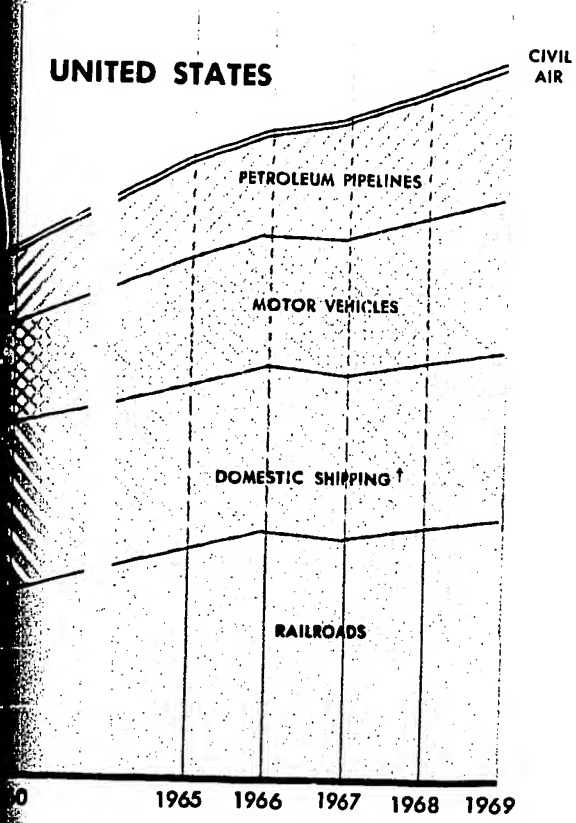
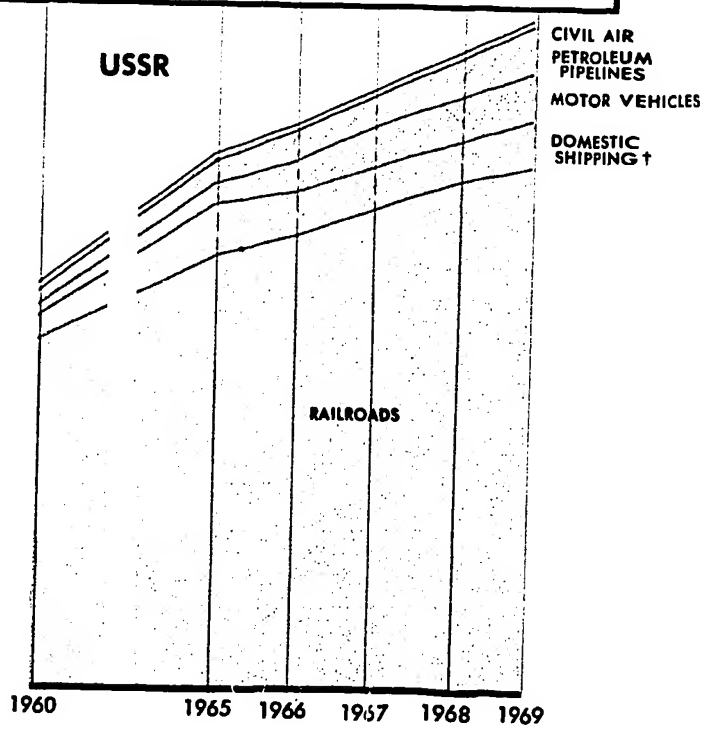
# DOMESTIC TRANSPORT PERFORMANCE IN THE US AND THE USSR

Figure 20

| | BILLION METRIC TON-KILOMETERS | | | | | |
|---|---|---|---|---|---|---|
| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
| UNITED STATES | 2,370 | 2,810 | 2,970 | 3,000 | 3,110 | 3,260 |
| Civil air | 1 | 3 | 4 | 5 | 6 | 7 |
| Petroleum pipelines | 334 | 447 | 486 | 527 | 571 | 600 |
| Motor vehicles | 473 | 589 | 625 | 637 | 650 | 719 |
| Domestic shipping† | 695 | 715 | 740 | 752 | 759 | 775 |
| Railroads | 868 | 1,053 | 1,112 | 1,083 | 1,122 | 1,160 |
| USSR | 1,790 | 2,420 | 2,520 | 2,710 | 2,890 | 3,020 |
| Civil air | 1 | 1 | 1 | 2 | 2 | 2 |
| Petroleum pipelines | 51 | 147 | 165 | 183 | 216 | 245 |
| Motor vehicles | 99 | 143 | 155 | 170 | 187 | 195 |
| Domestic shipping† | 138 | 181 | 188 | 197 | 211 | 218 |
| Railroads | 1,504 | 1,950 | 2,016 | 2,160 | 2,275 | 2,362 |




† Including inland waterway, coastal, and intercoastal freight traffic. The US data include Great Lakes freight traffic, and the Soviet data include Caspian Sea freight traffic.

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Table 141

Railroad Freight Traffic,[a] in Ton-Kilometers

Billion Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries[b] | 1,140* | 1,360* | 1,430* | 1,390* | 1,440* | 1,500* |
| United States[c] | 868.47* | 1,052.72* | 1,112.42* | 1,083.37* | 1,122.05* | 1,160.00* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 1,690* | 2,190* | 2,260* | 2,410* | 2,530* | 2,620* |
| USSR | 1,504.30* | 1,950.20* | 2,016.00* | 2,160.50* | 2,274.80* | 2,362.00* |
| Eastern Europe | 187* | 236* | 246* | 250* | 259* | 261* |
| Bulgaria | 6.98* | 10.78* | 11.45* | 11.72* | 12.20* | 12.62* |
| Czechoslovakia | 47.41* | 56.90* | 57.65* | 55.78* | 56.71* | 52.70* |
| East Germany | 32.86* | 38.87* | 39.68* | 38.47* | 38.58* | 38.50* |
| Hungary | 13.31* | 17.28* | 17.88* | 18.49* | 18.33* | 18.00* |
| Poland | 66.55* | 81.01* | 85.01* | 88.54* | 92.64* | 95.02* |
| Romania | 19.82* | 30.98* | 34.54* | 37.30* | 40.71* | 44.00* |
| Far East | | | | | | |
| North Korea | 9.10* | 10.50 | 11.94 | 12.48 | 12.82 | 13.00 |
| Other | | | | | | |
| Albania | 0.05* | 0.10* | 0.11* | 0.12* | 0.15* | 0.17* |
| Yugoslavia[d] | 15.19* | 18.04* | 17.52* | 16.39* | 16.37* | 17.70* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 6.26* | 6.81* | 7.27* | Italy[c g] | 15.86* | 15.29* | 17.50* | Portugal[c] | 0.76* | 0.76* | 0.74* |
| Canada[c] | 95.55* | 127.09* | 139.23* | Luxembourg | 0.64* | 0.62* | 0.72* | Turkey | 4.33* | 5.30* | 4.89* |
| Denmark[e] | 1.44*[c] | 1.49* | 1.55* | Netherlands[h] | 3.41* | 3.52* | 3.32* | United Kingdom[c k] | 30.50*[e] | 25.23* | 22.79* |
| France | 56.93* | 64.60* | 67.01* | Norway[i] | 1.59*[j] | 2.06* | 2.54* | West Germany | 52.27* | 57.13* | 66.96* |
| Greece[f] | 0.36* | 0.57* | 0.55* | | | | | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Excluding urban systems; plantation, forest, mine, industrial plant, underground, funicular, and cable railways; and short lines of little importance. Unless otherwise indicated, data are for the state or principal railroad system and include all goods and livestock carried during the calendar year and exclude service traffic, mail, and nonrevenue government stores. Freight traffic carried on more than one railroad line within a country is counted only once. Foreign trade freight traffic carried through more than one country, however, is counted in each country. Data for the United States include express and mail and are specifically for revenue and nonrevenue freight traffic for a more realistic comparison with Soviet methods of reporting.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Including secondary or private railroads operating as common carriers.

[d] Including service traffic.

[e] Including mail and passenger baggage. Data are for the year beginning 1 April of the stated year.

[f] Including military and government traffic.

[g] Excluding livestock.

[h] Excluding express parcels.

[i] Including data for the Ofoten railroad.

[j] Data are for the year beginning 1 July of the previous year.

[k] Excluding data for Northern Ireland.


Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 142

Railroad Freight Traffic,[a] in Tons Carried

Million Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries[b] | 2,470* | 2,660* | 2,670* | 2,566* | 2,620* | N.A.* |
| United States[c] | 1,180.5* | 1,341.7* | 1,400.5* | 1,359.4* | 1,374.3* | 1,390.0* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 2,810* | 3,520* | 3,630* | 3,770* | 3,890* | 3,950* |
| USSR | 1,884.9* | 2,415.3* | 2,481.9* | 2,604.6* | 2,705.6* | 2,760.0* |
| Eastern Europe | 928* | 1,100* | 1,140* | 1,160* | 1,180* | 1,190* |
| Bulgaria | 38.4* | 56.0* | 60.7* | 63.1* | 62.7* | 62.5* |
| Czechoslovakia | 194.1* | 218.5* | 224.1* | 226.1* | 227.3* | 226.1* |
| East Germany | 237.8* | 260.4* | 262.5* | 253.1* | 252.7* | 252.5* |
| Hungary[d] | 92.9* | 112.3* | 116.4* | 115.5* | 113.5* | 111.5* |
| Poland | 286.9* | 341.3* | 353.6* | 365.6* | 377.8* | 373.7* |
| Romania | 77.5* | 114.4* | 126.6* | 137.1* | 148.1* | 162.9* |
| Far East | | | | | | |
| North Korea | 38.5* | 52.5 | 56.0 | 59.4 | 61.8 | 62.0 |
| Other | | | | | | |
| Albania | 0.9* | 1.6* | 1.7* | 2.0* | 2.5* | 2.7* |
| Yugoslavia[e] | 65.2* | 74.8* | 71.6* | 66.3* | 68.4* | 69.8* |

Other NATO Countries

| | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium[c] | 64.1* | 65.9* | 65.7* | Italy[c e] | 67.9* | 59.4* | 64.0* | Turkey | 13.4* | 14.0* | 15.0* |
| Canada[c] | 161.1* | 204.4* | 219.4* | Luxembourg | 17.4* | 16.4* | 15.7* | United Kingdom[c h] | 253.1* | 232.4* | 210.6* |
| Denmark[c e] | 8.9* | 8.5* | 8.1*[f] | Netherlands[c] | 27.3* | 28.1* | 26.3* | West Germany[c e] | 429.2*[i] | 423.1*[i] | 345.9* |
| France | 227.0* | 238.7* | 240.9* | Norway[g] | 18.6*[e] | 24.5* | 30.6* | | | | |
| Greece | 2.2* | 3.3* | 2.5* | Portugal | 3.7* | 3.7* | 4.0* | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Excluding urban systems; plantation, forest, mine, industrial plant, underground, funicular, and cable railways; and short lines of little importance. Unless otherwise indicated, data are for the state or principal railroad system and include all goods and livestock carried during the calendar year and exclude service traffic, mail, and nonrevenue government stores. Freight traffic carried on more than one railroad line within a country is counted only once. Foreign trade traffic carried through more than one country, however, is counted in each country. Data for the United States are in tons originated, thus giving a more realistic comparison with European methods of reporting.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Including secondary or private railroads operating as common carriers.

[d] Including performance of railroads owned jointly by Hungary and Austria within Hungary.

[e] Including service traffic.

[f] Data for government railroads are for the stated year, and data for private railroads are for the previous year.

[g] Including data for the Ofoten railroad.

[h] Including data for Northern Ireland.

[i] Data include through consignments between private and government railroads.


Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 143

Motor Vehicle Freight Traffic, in Ton-Kilometers, in the United States and Selected Communist Countries

Million Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| United States[a] | 473,000* | 589,000* | 625,000* | 637,000* | 650,000* | 719,000* |
| COMMUNIST COUNTRIES[b] | | | | | | |
| USSR and Eastern Europe | 120,000* | 175,000* | 191,000* | 210,000* | 232,000* | 245,000* |
| USSR | 98,520* | 143,083* | 155,341* | 170,160* | 187,075* | 195,000* |
| Eastern Europe | 21,000* | 32,300* | 35,600* | 39,400* | 45,000* | 49,500* |
| Bulgaria | 2,039* | 3,821* | 4,297* | 5,106* | 6,025* | 6,650* |
| Czechoslovakia | 5,108* | 6,975* | 7,281* | 7,813* | 8,708* | 9,120* |
| East Germany | 5,002* | 7,213* | 7,839* | 8,171* | 9,254* | 10,180* |
| Hungary | 1,580* | 2,634 | 2,980* | 3,219* | 3,608* | 3,720* |
| Poland | 5,692* | 8,376* | 9,263* | 10,384* | 12,007* | 13,656* |
| Romania | 1,600* | 3,270* | 3,948* | 4,680* | 5,382* | 6,190* |
| Far East | | | | | | |
| North Korea | 552* | 765 | *N.A.* | *N.A.* | *N.A.* | *N.A.* |
| Other | | | | | | |
| Albania | 328* | 454* | 527* | 570* | 633* | 700* |

* *An asterisk indicates that the data are unclassified.*

[a] Total traffic for all urban streets and rural roads.

[b] Including traffic by state automotive transport organizations and by cooperatives; branch enterprises; and transport units of industries, plants, offices, and the like.

Table 144

Motor Vehicle Freight Traffic,[a] in Tons Carried, in the Communist Countries

Million Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| COMMUNIST COUNTRIES | | | | | | |
| USSR and Eastern Europe | 9,970* | 12,900* | 13,800* | 14,600* | 15,600* | 16,100* |
| USSR | 8,492.7* | 10,746.0* | 11,457.3* | 11,947.0* | 12,800.4* | 13,200* |
| Eastern Europe | 1,480* | 2,180* | 2,390* | 2,630* | 2,830* | 2,940* |
| Bulgaria | 123.3* | 281.3* | 315.9* | 379.4* | 413.7* | 422* |
| Czechoslovakia | 428.4* | 577.7* | 616.5* | 660.3* | 680.4* | 647* |
| East Germany | 270.3* | 345.8* | 358.4* | 372.6* | 399.2* | 435* |
| Hungary | 121.5* | 192.0* | 214.2* | 231.0* | 244.4* | 252* |
| Poland | 408.2* | 569.4* | 621.3* | 679.2* | 757.9* | 797* |
| Romania | 123.0* | 218.0* | 263.2* | 311.3* | 339.3* | 390* |
| Far East | | | | | | |
| North Korea | 78.6* | 116.0 | *N.A.* | *N.A.* | *N.A.* | *N.A.* |
| Other | | | | | | |
| Albania | 10.3* | 17.0* | 18.6* | 23.3* | 25.6* | 28* |

* *An asterisk indicates that the data are unclassified.*

[a] Including traffic by state automotive transport organizations and by cooperatives; branch enterprises; and transport units of industries, plants, offices, and the like.


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Table 145

Inland Water Freight Traffic, in Ton-Kilometers

Million Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries[a] | **200,000** | **248,000** | **262,000** | **283,000** | **295,000** | **N.A.** |
| United States[b] | 123,000 | 162,553 | 173,758 | 190,033 | 196,370 | 204,000 |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | **108,000** | **144,000** | **149,000** | **155,000** | **167,000** | **172,000** |
| USSR | 99,602 | 133,928 | 137,686 | 143,907 | 155,394 | 160,000 |
| Eastern Europe | **7,910** | **9,740** | **11,300** | **11,300** | **12,000** | **11,800** |
| Bulgaria | 615 | 1,062 | 1,240 | 1,260 | 1,364 | 1,425 |
| Czechoslovakia | 1,962 | 2,172 | 2,412 | 2,243 | 2,360 | 2,710 |
| East Germany | 2,252 | 2,196 | 2,556 | 2,576 | 2,443 | 2,300 |
| Hungary | 1,308 | 1,682 | 2,284 | 2,222 | 2,555 | 2,600 |
| Poland | 904 | 1,409 | 1,762 | 1,881 | 2,021 | 1,442 |
| Romania | 865 | 1,222 | 1,074 | 1,156 | 1,280 | 1,300 |
| Other | | | | | | |
| Yugoslavia | 3,272 | 4,354 | 5,196 | 4,690 | 5,318 | 5,060 |

Other NATO Countries

| | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 5,226 | 5,498 | 6,651 | Netherlands | 20,020 | 24,070 | 31,044 | West Germany | 40,390 | 43,308 | 47,932 |
| France | 10,773 | 12,510 | 13,235 | United Kingdom | 276 | 213 | 153 | | | | |

[a] Including only data for the United States and those countries listed under "Other NATO Countries."

[b] Internal, intraport, and local water traffic, excluding Great Lakes traffic. For 1967, coastwise and foreign trade traffic within US waters together amounted to 65 billion metric ton-kilometers. In the same year, traffic on the Great Lakes amounted to 110 billion metric ton-kilometers of domestic trade and 46 billion metric ton-kilometers of US foreign trade.

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Table 146

Inland Water Freight Traffic, in Tons Carried

Million Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries[a] | 821 | 1,000 | 1,040 | 1,090 | 1,160 | N.A. |
| United States[b] | 358.56 | 428.63 | 443.67 | 454.42 | 472.56 | 490.00 |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 235 | 298 | 312 | 336 | 356 | 366 |
| USSR | 210.32 | 269.44 | 279.02 | 301.81 | 322.51 | 332.0 |
| Eastern Europe | 25.0 | 28.6 | 32.8 | 33.9 | 33.8 | 34.0 |
| Bulgaria | 1.56 | 2.32 | 2.67 | 2.86 | 2.93 | 3.0 |
| Czechoslovakia | 3.53 | 4.06 | 4.35 | 4.20 | 4.34 | 5.0 |
| East Germany | 12.63 | 12.13 | 13.37 | 13.68 | 13.14 | 13.0 |
| Hungary | 2.39 | 2.58 | 3.18 | 3.25 | 3.25 | 3.2 |
| Poland | 2.95 | 4.68 | 5.98 | 6.30 | 6.57 | 6.3 |
| Romania | 1.91 | 2.86 | 3.24 | 3.58 | 3.54 | 3.5 |
| Other | | | | | | |
| Yugoslavia | 10.04 | 12.81 | 15.32 | 15.43 | 18.61 | 17.7 |

Other NATO Countries

| | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 61.16 | 77.03 | 93.33 | Luxembourg[c] | 0 | 3.42 | 6.10 | United Kingdom | 9.78 | 8.54 | 7.43 |
| France | 68.05 | 89.76 | 101.75 | Netherlands | 149.67 | 193.99 | 242.22 | West Germany | 171.36 | 195.69 | 233.33 |
| Italy | 2.54 | 2.78 | 4.39 | | | | | | | | |

[a] Including only data for the United States and those countries listed under "Other NATO Countries."
[b] Internal, intraport, and local water traffic, excluding Great Lakes traffic.
[c] Traffic began in June 1964.



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Table 147

Ocean Freight Traffic,[a] in Ton-Kilometers, of the Communist Countries

Million Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| COMMUNIST COUNTRIES | | | | | | |
| USSR and Eastern Europe | 188,000* | 501,000* | 573,000* | 709,000* | 817,000* | N.A. |
| USSR [b] | 131,500* | 388,800* | 442,800* | 527,100* | 586,800* | 622,100* |
| Eastern Europe | 56,700* | 112,000* | 130,000* | 182,000* | 230,000* | N.A. |
| Bulgaria [c] | 2,540* | 9,064* | 13,213* | 27,599* | 33,021* | 37,474* |
| Czechoslovakia | 7,472* | 8,261* | 7,442* | 9,063* | 11,483* | 11,069* |
| East Germany [c] | 10,518* | 30,204* | 32,636* | 43,722* | 49,030* | 54,844* |
| Hungary | 230* | 388* | 571* | 560* | 1,052* | *N.A.* |
| Poland [c d] | 34,828* | 55,838* | 62,808* | 73,921* | 95,667* | 99,497* |
| Romania | 1,065* | 8,368* | 13,336* | 26,790* | 39,827* | 30,128* |
| Far East | | | | | | |
| North Korea [e] | 135* | 283 | *N.A.* | *N.A.* | *N.A.* | *N.A.* |
| Other | | | | | | |
| Albania [c] | 269* | 977* | *N.A.* | *N.A.* | *N.A.* | *N.A.* |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for international shipping and include the performance of ships of less than 1,000 gross register tons (GRT).

[b] Including Caspian Sea, Danube River, and domestic coastal and intercoastal traffic.

[c] Including coastal traffic.

[d] Possibly excluding the performance of some ships flying the Polish flag but under the control of the Chinese-Polish Shipbrokers Corporation. At the end of 1969, there were 13 of these ships, totaling 112,991 GRT.

[e] Including both modern coastal and inland water traffic.

Table 148

Air Passenger Traffic, in Passenger-Kilometers, in the US and the USSR

Billion Passenger-Kilometers

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| United States [a] | 62.51* | 110.52* | 128.57* | 158.92* | 183.40* | 201.83* |
| USSR | 12.10* | 38.10* | 45.10* | 53.50* | 62.10* | 71.19* |

* *An asterisk indicates that the data are unclassified.*

[a] Revenue passenger-kilometers flown on scheduled service of certificated route air carriers.



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Table 149

Civil Airfreight Traffic,[a] in Ton-Kilometers, in the US and the USSR

Million Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| United States[b] | 1,377 | 3,363 | 4,235 | 5,001 | 6,084 | 6,848 |
| USSR | 563 | 1,338 | 1,445 | 1,662 | 1,803 | 1,900 |

[a] Express, freight, and mail traffic.
[b] Revenue ton-kilometers flown on scheduled service of certificated route air carriers.

Table 150

Petroleum Pipeline Transportation, in Ton-Kilometers, in the United States and the Communist Countries

Billion Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| United States | 333.8 | 447.3 | 486.0 | 527.1 | 571.3 | 600.0 |
| Communist Countries[a] | | | | | | |
| USSR | 51.2 | 146.7 | 165.0 | 183.4 | 215.9 | 245.0 |
| Romania | 1.0 | 1.1 | 1.1 | 1.2 | 1.2 | 1.3 |

[a] Excluding traffic on the Friendship Pipeline in Czechoslovakia, Poland, East Germany, and Hungary.

Table 151

Petroleum Pipeline Transportation, in Tons Carried, in the United States and the Communist Countries

Million Metric Tons

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| United States[a] | 414.7 | 554.9 | 600.9 | 659.0 | 704.9 | 740.0 |
| Communist Countries[b] | | | | | | |
| USSR | 129.9 | 225.7 | 247.7 | 273.3 | 301.3 | 324.0 |
| Romania | 5.6 | 7.4 | 8.0 | 8.6 | 8.8 | 9.0 |

[a] Data are for tons originated, thus giving a more realistic comparison with the Communist countries.
[b] Excluding traffic on the Friendship Pipeline in Czechoslovakia, Poland, East Germany, and Hungary.



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Table 152

Construction of Maritime Cargo Ships[a] in Selected Communist Countries

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| | Thousand Gross Register Tons | | | | | |
| COMMUNIST COUNTRIES | | | | | | |
| USSR and Eastern Europe | 382 | 566 | 624 | 631 | 563 | 706 |
| USSR | 58.4 | 155.4 | 170.2 | 191.2 | 107.9 | 227.9 |
| Eastern Europe | 324 | 411 | 454 | 440 | 455 | 478 |
| Bulgaria | 4.1 | 10.3 | 10.3 | 11.8 | 17.7 | 13.0 |
| East Germany | 123.0 | 144.3 | 165.8 | 146.8 | 164.0 | 207.0 |
| Hungary | 20.7 | 15.1 | 15.1 | 8.8 | 12.8 | 5.8 |
| Poland | 166.7 | 218.5 | 246.5 | 247.5 | 226.3 | 220.8 |
| Romania | 9.6 | 22.8 | 16.6 | 24.9 | 34.2 | 31.0 |
| Far East | | | | | | |
| Communist China | 15.1 | 8.6 | 0 | 8.6 | 2.8 | 15.5 |
| | Units | | | | | |
| COMMUNIST COUNTRIES | | | | | | |
| USSR and Eastern Europe | 112 | 115 | 120 | 119 | 107 | 104 |
| USSR | 10 | 25 | 24 | 33 | 28 | 32 |
| Eastern Europe | 102 | 90 | 96 | 86 | 79 | 72 |
| Bulgaria | 3 | 4 | 4 | 5 | 7 | 6 |
| East Germany | 39 | 32 | 38 | 29 | 26 | 33 |
| Hungary | 16 | 12 | 12 | 7 | 10 | 4 |
| Poland | 40 | 33 | 37 | 37 | 27 | 21 |
| Romania | 4 | 9 | 5 | 8 | 9 | 8 |
| Far East | | | | | | |
| Communist China | 5 | 1 | 0 | 1 | 1 | 3 |

[a] Data are for oceangoing cargo ships of 1,000 gross register tons or more completed during the year and exclude miscellaneous auxiliary ships, harbor craft, and small coastal ships.


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Table 153

Construction of Maritime Tankers [a] in Selected Communist Countries

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| | Thousand Gross Register Tons | | | | | |
| COMMUNIST COUNTRIES | | | | | | |
| USSR and Eastern Europe | 112 | 188 | 221 | 101 | 149 | 121 |
| USSR | 95.9 | 167.5 | 200.3 | 49.7 | 104.9 | 64.4 |
| Eastern Europe | 15.7 | 20.9 | 20.9 | 51.3 | 43.9 | 56.6 |
| Bulgaria | 11.5 | 7.6 | 7.6 | 11.5 | 3.8 | 0 |
| East Germany | 4.2 | 0 | 0 | 0 | 0 | 0 |
| Poland | 0 | 13.3 | 13.3 | 39.8 | 40.1 | 56.6 |
| Far East | | | | | | |
| Communist China | 3.3 | 4.7 | 10.3 | 5.6 | 2.3 | 9.5 |
| | Units | | | | | |
| COMMUNIST COUNTRIES | | | | | | |
| USSR and Eastern Europe | 19 | 11 | 12 | 12 | 16 | 13 |
| USSR | 13 | 8 | 9 | 6 | 12 | 9 |
| Eastern Europe | 6 | 3 | 3 | 6 | 4 | 4 |
| Bulgaria | 3 | 2 | 2 | 3 | 1 | 0 |
| East Germany | 3 | 0 | 0 | 0 | 0 | 0 |
| Poland | 0 | 1 | 1 | 3 | 3 | 4 |
| Far East | | | | | | |
| Communist China | 1 | 2 | 4 | 2 | 1 | 1 |

[a] Data are for oceangoing tankers of 1,000 gross register tons or more completed during the year and exclude miscellaneous auxiliary ships, harbor craft, and small coastal ships.

Table 154

Construction of Fishing Ships in Selected Communist Countries [a]

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| | Thousand Gross Register Tons | | | | | |
| COMMUNIST COUNTRIES | | | | | | |
| USSR and Eastern Europe | 187 | 327 | 318 | 451 | 422 | 429 |
| USSR | 77.2 | 190.6 | 180.2 | 8.7 | 223.2 | 207.8 |
| Eastern Europe | 109 | 137 | 137 | [illegible] | 198 | 222 |
| East Germany | 46.3 | 68.2 | 76.5 | 97.1 | 76.8 | 102.4 |
| Poland | 63.1 | 68.6 | 60.9 | 105.5 | 121.6 | 119.2 |
| | Units | | | | | |
| COMMUNIST COUNTRIES | | | | | | |
| USSR and Eastern Europe | 162 | 139 | 137 | 220 | 156 | 171 |
| USSR | 30 | 89 | 89 | 160 | 101 | 90 |
| Eastern Europe | 132 | 50 | 48 | 60 | 55 | 81 |
| East Germany | 93 | 32 | 35 | 42 | 32 | 51 |
| Poland | 39 | 18 | 13 | 18 | 23 | 30 |

[a] Only countries in which domestic construction is a significant percentage of overall construction are listed. Data exclude small fishing boats, seiners, and miscellaneous boats.


Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 155

Production of Mainline Locomotives [a] in Selected NATO and Communist Countries

Units

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries | | | | | | |
| United States [b] | 886* | 1,793* | 1,800* | 1,379* | 1,120* | 1,127* |
| France | 311* | 293* | 244* | 230* | 196* | 195* |
| Italy [c d] | 150* | 141* | 156* | 118* | 138* | 25* |
| United Kingdom [e] | 1,181* | 719* | 463* | 356* | 263* | *N.A.** |
| West Germany | 1,231* | 947* | 776* | 493* | 492* | *N.A.** |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | | | | | | |
| USSR | 1,699* | 2,126* | 2,129* | 1,885* | 1,804* | 1,754* |
| Eastern Europe | | | | | | |
| Czechoslovakia | 172* | 269 | 233 | 231 | 180 | 241 |
| East Germany | 2 | 86 | 128 | 146 | 115 | *N.A.* |
| Hungary [c f] | 0* | 17* | 34* | 22* | 22* | 22* |
| Poland [c f] | 38* | 72* | 80* | 101* | 109* | 91* |
| Romania [g] | 10* | 110* | 125* | 133* | 167* | 214* |
| Far East | | | | | | |
| Communist China [h] | 600 [i] | 50 | 140 | 195 | 200 | 255 |
| North Korea [c] | 0 | 21 | 19 | 19 | 18 | 23 |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for diesel, diesel-electric, and electric railroad locomotives of 1,000 horsepower or more. Because of the lack of consistency, totals for the NATO and the Communist countries have been omitted.

[b] Data are for locomotive units, delivered domestically and exported, that are substantially new but also may include a limited amount of used equipment.

[c] Electric locomotives only.

[d] Production for the government only. Data include rail motor vehicles.

[e] Additions to the operating stock by the British Railways and the London Transport Boards and those exported.

[f] Excluding narrow-gauge locomotives.

[g] Diesel locomotives only.

[h] Production of diesel locomotives began in 1965.

[i] Steam locomotives only.


Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 156

Production of Mainline Diesel Locomotives[a] in Selected NATO and Communist Countries

Units

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries | | | | | | |
| United States[b] | 885* | 1,793* | 1,800* | 1,376* | 1,120* | 1,127* |
| France | 143* | 209* | 173* | 167* | 142* | 147* |
| United Kingdom[c] | 1,007* | 565* | 304* | 222* | 188* | *N.A.** |
| West Germany | 1,110* | 681* | 556* | 311* | 392* | *N.A.** |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | | | | | | |
| USSR | 1,303* | 1,485* | 1,529* | 1,497* | 1,499* | 1,464* |
| Eastern Europe | | | | | | |
| Czechoslovakia | 3* | 25 | 35 | 40 | 45 | 45 |
| East Germany | 2 | 26 | 68 | 136 | 95 | *N.A.* |
| Romania | 10* | 110* | 125* | 133* | 167* | 214* |
| Far East | | | | | | |
| Communist China | 0 | 25 | 70 | 95 | 100 | 130 |

* *An asterisk indicates that the data are unclassified.*

[a] Including diesel and diesel-electric locomotives of 1,000 horsepower or more.

[b] Data are for locomotive units, delivered domestically and exported, that are substantially new but also may include a limited amount of used equipment.

[c] Additions to the operating stock by the British Railways and the London Transport Boards and those exported.

Table 157

Production of Mainline Electric Locomotives[a] in Selected NATO and Communist Countries

Units

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries | | | | | | |
| United States | 1* | 0* | 0* | 3* | 0* | 0* |
| France | 168* | 84* | 71* | 63* | 54* | 48* |
| Italy[b] | 150* | 141* | 156* | 118* | 138* | 25* |
| United Kingdom[c] | 174* | 154* | 159* | 134* | 75* | *N.A.** |
| West Germany | 121* | 266* | 220* | 182* | 100* | *N.A.** |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | | | | | | |
| USSR | 396* | 641* | 600* | 388* | 305* | 290* |
| Eastern Europe | | | | | | |
| Czechoslovakia | 169* | 244* | 198* | 191* | 135* | 196* |
| East Germany | 0 | 60 | 60 | 10 | 20 | *N.A.* |
| Hungary[d] | 0* | 17* | 34* | 22* | 22* | 22* |
| Poland[d] | 38* | 72* | 80* | 101* | 109* | 91* |
| Far East | | | | | | |
| North Korea | 0 | 21 | 19 | 19 | 18 | 23 |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for electric locomotives of 1,000 horsepower or more.

[b] Production for the government only. Data include rail motor vehicles.

[c] Additions to the operating stock by the British Railways and the London Transport Boards and those exported.

[d] Excluding narrow-gauge locomotives.


Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9



Table 158

Production of Railroad Freight Cars[a]

Thousand Units

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries[b] | 83.5* | 118* | 118* | 106* | 75.4* | 88.7* |
| United States[c] | 57.31* | 77.90* | 90.35* | 83.10* | 56.26* | 68.45* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 64.9* | 73.1* | 75.0* | 75.3* | 80.7* | N.A. |
| USSR | 36.40* | 39.60* | 40.20* | 43.80* | 48.10* | 50.20* |
| Eastern Europe | 28.5* | 33.5* | 34.8* | 31.5* | 32.6* | N.A. |
| Bulgaria | 2.01* | 1.58* | 1.93* | 1.79* | 1.55* | 1.72* |
| Czechoslovakia | 5.15* | 4.30* | 4.44* | 4.19* | 4.32* | *N.A.* |
| East Germany | 2.38* | 2.17* | 3.69* | 4.22* | 5.50* | *N.A.* |
| Hungary | 0.45* | 0.55* | 0.56* | 0.58* | 0.40* | 0.40* |
| Poland | 13.89* | 16.29* | 16.60* | 12.70* | 12.60* | 14.00* |
| Romania | 4.62* | 8.58* | 7.61* | 8.03* | 8.27* | 9.70* |
| Far East | | | | | | |
| Communist China | 23 | 7 | 7 | 7 | 8 | 14 |
| North Korea | 0.6* | 1.6 | 1.8 | 1.8 | 1.8 | 1.9 |
| Other | | | | | | |
| Yugoslavia | 3.42* | 4.85* | 4.24* | 2.37* | 2.68* | 4.23* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| France | 7.93* | 15.04* | 10.67* | United Kingdom[d] | 8.52* | 4.62* | 2.90*[e] | West Germany | 6.63* | 11.31* | 4.75*[e] |
| Italy | 3.15* | 9.26* | 1.99* | | | | | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Units of two, four, or more axles. The majority of the production now consists of four-axle units.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Shipments.

[d] Additions to the operating stock by the British Railways and the London Transport Boards and those exported.

[e] Data are for the previous year.





Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 159

Production of Passenger Automobiles

Thousand Units

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries[a] | 11,900 | 17,100 | 17,000 | 15,400 | 17,900 | 18,100 |
| United States[b] | 6,674.8 | 9,305.6 | 8,598.3 | 7,436.8 | 8,822.2 | 8,223.7 |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 272 | 408 | 459 | 504 | 568 | 613 |
| USSR | 138.8 | 201.2 | 230.2 | 251.4 | 280.3 | 293.6 |
| Eastern Europe | 133 | 207 | 228 | 253 | 287 | 319 |
| Bulgaria | 0 | 0 | 0 | 1.8 | 4.7 | 7.5 |
| Czechoslovakia | 56.2 | 77.7 | 92.7 | 111.7 | 125.5 | 132.4 |
| East Germany | 64.1 | 102.9 | 106.5 | 111.5 | 114.6 | 118.0 |
| Poland | 12.9 | 26.4 | 29.2 | 27.7 | 40.4 | 50.2 |
| Romania | 0 | 0 | 0 | 0 | 2.0 | 11.0 |
| Other | | | | | | |
| Yugoslavia[c] | 10.5 | 35.9 | 37.7 | 47.9 | 59.4 | 80.5 |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium[d] | N.A. | 169.1 | 100.8[e] | Italy[f] | 595.9 | 1,103.9 | 1,477.2 | United Kingdom | 1,352.7 | 1,722.0 | 1,717.1 |
| Canada | 325.8 | 710.7 | 1,035.6 | Netherlands | 15.2 | 29.9 | 54.7 | West Germany | 1,816.8 | 2,733.7[g] | 3,312.0[g] |
| France | 1,135.6 | 1,374.0 | 2,139.6 | | | | | | | | |

Other Free World Countries

| | 1960 | 1965 | 1969 |
|---|---|---|---|
| Japan | 165.1 | 696.2 | 2,611.5 |

[a] Including only data for the United States and those countries listed under "Other NATO Countries."
[b] Factory sales.
[c] Including vehicles assembled from imported parts.
[d] Including data for Luxembourg.
[e] Data are for the previous year.
[f] Excluding production for the armed forces.
[g] Including data for West Berlin, for which separate data are not available.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 160

Production of Trucks and Buses [a]

Thousand Units

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries [b] | 2,250* | 2,920* | 2,980* | 2,710* | 3,220* | 3,440* |
| United States [c] | 1,194.5* | 1,751.8* | 1,731.1* | 1,539.5* | 1,896.1* | 1,919.1* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 458* | 514* | 559* | 604* | 663* | 706* |
| USSR | 384.8* | 415.1* | 445.0* | 477.4* | 520.6* | 550.7* |
| Eastern Europe | 72.9* | 98.4* | 114* | 126* | 143* | 155* |
| Bulgaria | 0* | 0* | 0* | 0* | 1.9* | 3.0* |
| Czechoslovakia [d] | 19.1* | 19.1* | 20.8* | 23.6* | 26.5* | 28.5* |
| East Germany | 13.3* | 16.0* | 21.3* | 22.6* | 24.5* | 26.0* |
| Hungary [d] | 4.4* | 6.3* | 7.1* | 7.5* | 8.5* | 8.7* |
| Poland [d] | 24.0* | 34.2* | 37.8* | 40.6* | 44.5* | 46.2* |
| Romania | 12.1* | 22.8* | 27.0* | 31.8* | 36.8* | 43.0* |
| Far East | | | | | | |
| Communist China [e] | 15 | 34 | 47 | 34 | 31 | 65 |
| North Korea | 3.1* | 4.5 | 6.0 | 8.0 | 9.5 | 9.8 |
| Other | | | | | | |
| Yugoslavia [d f] | 5.5* | 11.9* | 11.8* | 12.7* | 13.4* | 14.0* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium [g] | 0.5* | 6.4* | 19.6* [h] | Italy [f] | 48.9* | 71.6* | 118.6* | United Kingdom | 458.0* | 455.2* | 465.7* |
| Canada | 72.0* | 144.8* | 317.4* | Netherlands | 4.1* | 6.1* | 10.9* | West Germany | 237.9* | 242.8* [i] | 286.8* [i] |
| France | 233.6* | 242.4* | 297.6* | | | | | | | | |

Other Free World Countries

| | 1960 | 1965 | 1969 |
|---|---|---|---|
| Japan | 595.2* | 1,222.4* | 2,079.9* |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for light and heavy trucks, wheeled tractors for road haulage, special vehicles, and buses.

[b] Including only data for the United States and those countries listed under "Other NATO Countries." Data include complete units exported for assembly.

[c] Factory sales.

[d] Excluding wheeled tractors.

[e] Excluding buses, jeeps, and three-wheel trucks.

[f] Excluding production for the armed forces.

[g] Including data for Luxembourg.

[h] Data are for the previous year.

[i] Including data for West Berlin, for which separate data are not available.


Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 161

Inventory of Civil Aircraft[a] in the US and the USSR

Units

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| United States | | | | | | |
| Total airliners[b] | 2,110* | 2,070* | 2,230* | 2,410* | 2,560* | 2,660* |
| Jet | 202* | 725* | 1,006* | 1,344* | 1,781* | 2,068* |
| Turboprop | 230* | 312* | 372* | 444* | 458* | 380* |
| Piston | 1,678* | 1,037* | 849* | 622* | 316* | 217* |
| Transport helicopters | 25* | 21* | 21* | 22* | 16* | 18* |
| USSR | | | | | | |
| Total airliners | 1,870 | 2,120 | 1,990 | 2,090 | 2,220 | 2,370 |
| Jet | 190 | 230 | 230 | 260 | 275 | 340 |
| Turboprop | 180 | 560 | 660 | 830 | 1,020 | 1,160 |
| Piston | 1,500 | 1,330 | 1,100 | 1,000 | 920 | 870 |
| Transport helicopters | 225 | 630 | 700 | 720 | 750 | 820 |

* *An asterisk indicates that the data are unclassified.*

[a] Data are as of the end of the year and exclude light aircraft.

[b] Including all aircraft that perform commercial for-hire operations. In the United States, there are more than 2,000 multiengine aircraft of more than 2,000 horsepower, which are operated by private corporations and individuals. The USSR has no counterpart.


Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 162

Inventory of Locomotives [a]

Units

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries [b] | 79,800* | 67,600* | 65,200* | 62,600* | 60,800* | N.A.* |
| United States [c d] | 31,178* | 30,061* | 30,124* | 29,874* | 29,448* | 29,200* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 55,900* | 49,900* | 49,800* | 49,200 | 49,000 | 49,000 |
| USSR | 34,000* | 26,900* | 26,700* | 26,900* | 27,100* | 27,600* |
| Eastern Europe | 21,900* | 23,000* | 23,100* | 22,300 | 21,900 | 21,400 |
| Bulgaria | 635* | 730* | 730* | 720* | 710* | 700* |
| Czechoslovakia | 5,230* | 5,520* | 5,520* | 4,879* | 4,860* | 4,800* |
| East Germany | 6,023* | 5,985* | 6,075* | 6,254 | 6,100 | 5,900 |
| Hungary | 2,460* | 2,626* | 2,626* | 2,500* | 2,375* | 2,250 |
| Poland | 5,800* | 6,334* | 6,334* | 6,194* | 6,166* | 6,100* |
| Romania | 1,720* | 1,780* | 1,780* | 1,750* | 1,720 | 1,700* |
| Far East | | | | | | |
| Communist China | 6,560 | 6,020 | 6,010 | 6,070 | 6,110 | 6,205 |
| North Korea | 350 | 426 | 436 | 451 | 466 | N.A. |
| North Vietnam | 70 | 120 | N.A. | N.A. | N.A. | N.A. |
| Other | | | | | | |
| Albania | 9* | 14* | 14* | 18* | 18* | 19* |
| Yugoslavia | 2,325* | 2,284* | 2,192* | 2,103* | 1,996* | 1,990* |

Other NATO Countries

| | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 1,494* | 1,238* | 1,075* | Italy [c] | 5,282* | 4,470* | 3,978* [e] | Turkey | 983* | 974* | 963* |
| Canada [c] | 3,752* | 3,323* | 3,294* | Luxembourg | 121* | 85* | 85* | United Kingdom [c g] | 16,047* | 8,107* | 4,673* |
| Denmark [c] | 663* | 624* | 519* [e] | Netherlands | 684* | 675* | 674* | West Germany | 10,442* | 9,592* | 8,609* |
| France | 7,963* | 7,360* | 6,269* | Norway | 455* | 332* | 319* | | | | |
| Greece | 231* | 305* | 4[illegible] [f] | Portugal | 457* | 439* | 493* | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for the state or principal railroad system and include diesel, diesel-electric, steam, and electric locomotives. Data are as of the end of the year.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Including secondary or private railroads operating as common carriers.

[d] Including gas turbine locomotives.

[e] Data for government railroads are for the stated year, and data for private railroads are for the previous year.

[f] Data are for the previous year.

[g] Including data for Northern Ireland.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9



Table 163

Inventory of Railroad Freight Cars[a] in NATO and Communist Countries

Thousand Units

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| United States[bc] | 1,945.7* | 1,806.2* | 1,833.5* | 1,848.1* | 1,828.8* | 1,820.0* |
| COMMUNIST COUNTRIES | | | | | | |
| USSR and Eastern Europe | | | | | | |
| USSR[d] | 949.0* | 1,030.0* | 1,050.0* | 1,060.0* | 1,090.0* | 1,110.0* |
| Eastern Europe | | | | | | |
| Bulgaria | 22.8* | 33.5* | 36.5* | 37.7* | 37.7* | 38.0* |
| Czechoslovakia | 134.0* | 147.3* | 152.2* | 152.9* | 152.9* | 152.0* |
| East Germany[e] | 149.4* | 157.0* | 159.4* | 154.0* | 150.0* | 147.0* |
| Hungary[e] | 62.0* | 73.4* | 75.6* | 76.8* | 77.5* | 80.0* |
| Poland[e] | 249.0* | 263.9* | 266.6* | 267.3* | 267.7* | 269.0* |
| Romania | 55.5* | 68.6* | 71.9* | 76.5* | 79.5* | 83.0* |
| Far East | | | | | | |
| Communist China[f] | 132.1 | 142.9 | 147.5 | 151.1 | 156.5 | 167.5 |
| North Korea[f] | 10.4 | 15.2 | 16.5 | 17.1 | *N.A.* | *N.A.* |
| North Vietnam | 1.0 | 1.6 | *N.A.* | *N.A.* | *N.A.* | 3.0[g] |
| Other | | | | | | |
| Albania[e] | 0.5* | 0.9* | 1.1* | 1.3* | 1.4* | 1.5* |
| Yugoslavia | 72.6* | 72.4* | 71.2* | 68.6* | 64.5* | 61.0* |

Other NATO Countries

| | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 74.0* | 60.3* | 48.7* | Italy[c] | 133.7* | 133.9* | 136.4*[i] | Portugal | 10.2* | 9.9* | 9.2* |
| Canada[c] | 196.6* | 188.4* | 191.6* | Luxembourg | 3.6* | 3.6* | 3.9* | Turkey | 17.2* | 17.5* | 17.8*[h] |
| Denmark | 12.6* | 11.7* | 11.2* | Netherlands | 22.2* | 22.2* | 19.3* | United Kingdom[j] | 956.0* | 605.6* | 456.0* |
| France | 362.2* | 362.3* | 316.6* | Norway | 11.9* | 11.0* | 10.6* | West Germany | 309.6* | 329.5* | 310.9* |
| Greece | 6.3* | 7.2* | 9.8*[h] | | | | | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Units of two, four, or more axles. Unless otherwise indicated, data refer to both state and private ownership of cars used on the state or principal railroad system. Data are as of the end of the year. Because of the lack of comparability in data, totals for the NATO and the Communist countries are omitted.

[b] Units of four or more axles.

[c] Including secondary or private railroads operating as common carriers.

[d] In recent years, about 90% of the freight cars had four or more axles, and these cars accounted for more than 95% of total freight-carrying capacity.

[e] Excluding narrow-gauge rolling stock.

[f] The majority are four-axle units.

[g] Including Chinese freight cars in transit or on loan.

[h] Data are for the previous year.

[i] Data for government railroads are for the stated year, and data for private railroads are for the previous year.

[j] Excluding privately owned tank cars and including data for Northern Ireland.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9



Table 164

Inventory of Civilian Trucks [a]

Thousand Units

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries | 17,500* | 22,000* | 23,100* | 24,000* | 24,900* | N.A.* |
| United States [b] | 11,329* | 14,035* | 14,721* | 15,359* | 16,108* | 16,800* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 3,570* | 4,490* | 4,660* | 4,830* | 5,070* | 5,330* |
| USSR | 3,140* | 3,900* | 4,030* | 4,160* | 4,330* | 4,510* |
| Eastern Europe | 428* | 593* | 631* | 675* | 742* | 818* |
| Bulgaria | 20* | 22* | 25* | 26* | 29* | 32* |
| Czechoslovakia | 90* | 122* | 130* | 138* | 162* | 187* |
| East Germany | 132* | 166* | 173* | 183* | 194* | 206* |
| Hungary | 26* | 42* | 45* | 49* | 56* | 64* |
| Poland | 120* | 183* | 196* | 213* | 229* | 246* |
| Romania | 40* | 58* | 62* | 66* | 72* | 83* |
| Far East | | | | | | |
| Communist China [c] | N.A. | 230 | 274 | 303 | 325 | 379 |
| Other | | | | | | |
| Albania | 3* | 5* | 5* | 6* | 6* | 7* |
| Yugoslavia | 51* | 78* | 91* | 109* | 114* | 134* |

Other NATO Countries

| | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 177* | 234* | 246* [d] | Iceland | 6* | 6* | 6* | Portugal | 50* | 65* | 64* [d] |
| Canada | 1,039* | 1,206* | 1,350* | Italy | 612* | 929* | 1,058* [d] | Turkey | 57* | 90* | 110* [d] |
| Denmark [e] | 166* | 232* | 254* | Luxembourg | 8* | 11* | 12* | United Kingdom [g,h] | 1,442* | 1,710* | 1,682* |
| France | 1,597* | 2,134* | 2,491* | Netherlands [f] | 158* | 225* | 286* | West Germany [i] | 687* | 975* | 1,019* |
| Greece | 37* | 65* | 87* | Norway | 107* | 127* | 133* | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Excluding military trucks of all types. Unless otherwise indicated, data are as of the end of the year and include wheeled tractors for road haulage.

[b] Data are for the number of registrations of privately owned trucks and include duplications when trucks are registered in more than one state. Farm trucks restricted to use in the vicinity of the farm are excluded.

[c] Including both military and civilian trucks.

[d] Data are for the previous year.

[e] Excluding wheeled tractors.

[f] As of 1 August of the stated year.

[g] Including data for Northern Ireland.

[h] As of 1 October of the stated year.

[i] As of 1 July of the stated year.





Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Table 165

Inventory of Merchant Fleet [a]

| | 1960 | | 1965 | | 1966 | | 1967 | | 1968 | | 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Number | Thousand GRT | Number | Thousand GRT | Number | Thousand GRT | Number | Thousand GRT | Number | Thousand GRT | Number |
| NATO Countries [b] | 10,800* | 79,800* | 9,940* | 86,600* | 9,720* | 87,000* | 9,570* | 89,900* | 9,460* | 93,000* | 9,220* |
| United States [c] | 2,960* | 23,870* | 2,449* | 21,203* | 2,292* | 20,104* | 2,209* | 19,495* | 2,101* | 18,819* | 2,013* |
| Communist Countries | | | | | | | | | | | |
| USSR and Eastern Europe | 1,020 | 4,220 | 1,660 | 8,960 | 1,800 | 10,100 | 1,940 | 11,200 | 2,060 | 12,100 | 2,190 |
| USSR [d] | 829 | 3,283 | 1,284 | 6,906 | 1,378 | 7,694 | 1,476 | 8,408 | 1,574 | 9,066 | 1,680 |
| Eastern Europe | 189* | 932* | 376* | 2,060* | 424* | 2,400* | 464* | 2,760* | 490* | 3,000* | 510 |
| Bulgaria [e] | 15* | 46* | 61* | 381* | 73* | 444* | 84* | 530* | 94* | 594* | 96 |
| Czechoslovakia [f] | 11* | 85* | 10* | 74* | 11* | 97* | 10* | 84* | 10* | 84* | 9 |
| East Germany | 29* | 174* | 95* | 593* | 105* | 649* | 118* | 746* | 114* | 713* | 123 |
| Hungary | 8* | 10* | 16* | 20* | 18* | 22* | 19* | 23* | 21* | 33* | 20 |
| Poland [g] | 119* | 585* | 164* | 865* | 177* | 977* | 187* | 1,078* | 204* | 1,256* | 215 |
| Romania | 7* | 32* | 30* | 124* | 40* | 209* | 46* | 302* | 47* | 328* | 47 |
| Far East | | | | | | | | | | | |
| Communist China [h] | 147 | 516 | 174 | 710 | 189 | 799 | 214 | 983 | 232 | 1,106 | 218 |
| North Korea | 0* | 0* | 2* | 3* | 2* | 4* | 4* | 15* | 4* | 15* | 5 |
| North Vietnam | 0 | 0 | 2 | 5 | 1 | 2 | 4 | 8 | 4 | 8 | 4 |
| Other | | | | | | | | | | | |
| Albania [i] | 4* | 8* | 8* | 33* | 9* | 35* | 9* | 36* | 9* | 37* | 10 |
| Cuba [b] | 28* | 89* | 29* | 128* | 34* | 185* | 40* | 223* | 40* | 223* | 48 |
| Yugoslavia [b] | 130* | 617* | 174* | 933* | 179* | 1,061* | 178* | 1,092* | 182* | 1,237* | 189 |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 |
|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 646* | 740* | 926* | Iceland | 53* | 59* | 45* | Portugal | 466* | 557* |
| Canada | 293* | 239* | 277* | Italy | 4,758* | 5,246* | 6,314* | Turkey | 603* | 601* |
| Denmark | 2,027* | 2,394* | 2,893* | Netherlands | 4,327* | 4,344* | 4,595* | United Kingdom | 19,370* | 19,680* |
| France | 4,472* | 4,790* | 5,489* | Norway | 10,708* | 14,937* | 18,562* | West Germany | 4,137* | 4,865* |
| Greece [j] | 4,095* | 6,980* | 8,828* | | | | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Ships of 1,000 gross register tons (GRT) or more. Unless otherwise indicated, data are as of the end of the year. Data for the NATO countries include all combination passenger and cargo ships, whereas, unless otherwise indicated, those for the Communist countries exclude passenger ships that have small cargo capacities.

[b] Data are as of midyear.

[c] Excluding ships operating only on the Great Lakes and US-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

[d] Excluding the Caspian Sea fleet and including refrigerator ships and tankers serving the fishing fleet.

[e] Before August 1968, a few additional Bulgarian-owned ships were operated under the flags of Free World countries.

[f] Until March 1967, an undetermined number of Czechoslovak-flag jointly owned with Communist China.

[g] Including some ships flying the Polish flag but under the control of Polish Shipbrokers Corporation. At the end of 1969, there were 13 of totaling 112,991 GRT.

[h] Including coastal passenger ships.

[i] Except for 1960, data include a number of ships jointly owned by Albanian Joint Stock Shipping Company. At the end of 1969, there these ships, totaling 30,811 GRT.

[j] Excluding Greek-owned ships flying the Liberian, Panamanian, and of convenience."

SECRET



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Table 165

Inventory of Merchant Fleet [a]

| | 1960 | | 1965 | | 1966 | | 1967 | | 1968 | | 1969 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Number | Thousand GRT | Number | Thousand GRT | Number | Thousand GRT | Number | Thousand GRT | Number | Thousand GRT | Number | Thousand GRT |
| COUNTRIES [b] | 10,800* | 79,800* | 9,940* | 86,600* | 9,720* | 87,000* | 9,570* | 89,900* | 9,460* | 93,000* | 9,220* | 95,300* |
| United States [c] | 2,960* | 23,870* | 2,449* | 21,203* | 2,292* | 20,104* | 2,209* | 19,495* | 2,101* | 18,819* | 2,013* | 18,373* |
| NIST COUNTRIES | | | | | | | | | | | | |
| R and Eastern Europe | 1,020 | 4,220 | 1,660 | 8,960 | 1,800 | 10,100 | 1,940 | 11,200 | 2,060 | 12,100 | 2,190 | 12,900 |
| USSR [d] | 829 | 3,283 | 1,284 | 6,906 | 1,378 | 7,694 | 1,476 | 8,408 | 1,574 | 9,036 | 1,680 | 9,667 |
| tern Europe | 189* | 932* | 376* | 2,060* | 424* | 2,400* | 464* | 2,760* | 490* | 3,000* | 510 | 3,260 |
| Bulgaria [e] | 15* | 46* | 61* | 381* | 73* | 444* | 84* | 530* | 94* | 584* | 96 | 616 |
| Czechoslovakia [f] | 11* | 85* | 10* | 74* | 11* | 97* | 10* | 84* | 10* | 84* | 9 | 82 |
| East Germany | 29* | 174* | 95* | 593* | 105* | 649* | 118* | 746* | 114* | 713* | 123 | 851 |
| Hungary | 8* | 10* | 16* | 20* | 18* | 22* | 19* | 23* | 21* | 33* | 20 | 32 |
| Poland [g] | 119* | 585* | 164* | 865* | 177* | 977* | 187* | 1,078* | 204* | 1,256* | 215 | 1,345 |
| Romania | 7* | 32* | 30* | 124* | 40* | 209* | 46* | 302* | 47* | 328* | 47 | 335 |
| Asia | | | | | | | | | | | | |
| Communist China [h] | 147 | 516 | 174 | 710 | 189 | 799 | 214 | 983 | 232 | 1,106 | 218 | 1,068 |
| North Korea | 0* | 0* | 2* | 3* | 2* | 4* | 4* | 15* | 4* | 15* | 5 | 17 |
| North Vietnam | 0 | 0 | 2 | 5 | 1 | 2 | 4 | 8 | 4 | 8 | 4 | 7 |
| Albania [i] | 4* | 8* | 8* | 33* | 9* | 35* | 9* | 36* | 9* | 37* | 10 | 45 |
| Cuba [b] | 28* | 89* | 29* | 128* | 34* | 185* | 40* | 223* | 40* | 223* | 48 | 282 |
| Yugoslavia [b] | 130* | 617* | 174* | 933* | 179* | 1,061* | 178* | 1,092* | 182* | 1,237* | 189 | 1,420 |

Other NATO Countries

Thousand GRT

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 646* | 740* | 926* | Iceland | 53* | 59* | 45* | Portugal | 466* | 557* | 641* |
| | 293* | 239* | 277* | Italy | 4,758* | 5,246* | 6,314* | Turkey | 603* | 601* | 534* |
| k | 2,027* | 2,394* | 2,893* | Netherlands | 4,327* | 4,344* | 4,595* | United Kingdom | 19,370* | 19,680* | 21,332* |
| | 4,472* | 4,790* | 5,489* | Norway | 10,708* | 14,937* | 18,562* | West Germany | 4,137* | 4,865* | 6,517* |
| | 4,095* | 6,980* | 8,828* | | | | | | | | |

*asterisk indicates that the data are unclassified.*

s of 1,000 gross register tons (GRT) or more. Unless otherwise indicated, as of the end of the year. Data for the NATO countries include all combi- assenger and cargo ships, whereas, unless otherwise indicated, those for the nist countries exclude passenger ships that have small cargo capacities.

are as of midyear.

luding ships operating only on the Great Lakes and US-owned ships flying rian, Panamanian, and other "flags of convenience."

luding the Caspian Sea fleet and including refrigerator ships and tankers the fishing fleet.

ore August 1968, a few additional Bulgarian-owned ships were operated under of Free World countries.

[f] Until March 1967, an undetermined number of Czechoslovak-flag ships were jointly owned with Communist China.

[g] Including some ships flying the Polish flag but under the control of the Chinese-Polish Shipbrokers Corporation. At the end of 1969, there were 13 of these ships, totaling 112,991 GRT.

[h] Including coastal passenger ships.

[i] Except for 1960, data include a number of ships jointly owned by the Chinese-Albanian Joint Stock Shipping Company. At the end of 1969, there were four of these ships, totaling 30,811 GRT.

[j] Excluding Greek-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

SECRET

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9





Table 166

Inventory of Tanker Fleet [a]

| | 1960 | | 1965 | | 1966 | | 1967 | | 1968 | | 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Number | Thousand GRT | Number | Thousand GRT | Number | Thousand GRT | Number | Thousand GRT | Number | Thousand GRT | Number |
| NATO Countries [b c] | 2,160* | 25,400* | 1,940* | 30,600* | 1,900* | 31,400* | 1,890* | 33,300* | 1,880* | 34,900* | 1,870* |
| United States [d] | 428* | 4,910* | 351* | 4,762* | 328* | 4,568* | 317* | 4,500* | 315* | 4,525* | 305* |
| Communist Countries | | | | | | | | | | | |
| USSR and Eastern Europe | 140 | 923 | 234 | 2,500 | 259 | 2,870 | 280 | 3,070 | 297 | 3,230 | 317 |
| USSR [e] | 128 | 820 | 205 | 2,204 | 226 | 2,530 | 245 | 2,707 | 264 | 2,859 | 284 |
| Eastern Europe | 12* | 103* | 29* | 300* | 33* | 337* | 35* | 363* | 33* | 375* | 33* |
| Bulgaria | 2* | 10* | 12* | 118* | 15* | 147* | 16* | 149* | 16* | 146* | 16* |
| Czechoslovakia | 1* | 13* | 0* | 0* | 0* | 0* | 0* | 0* | 0* | 0* | 0* |
| East Germany | 4* | 33* | 10* | 94* | 11* | 102* | 11* | 102* | 8* | 97* | 8* |
| Poland | 5* | 47* | 5* | 63* | 5* | 63* | 5* | 63* | 5* | 63* | 5* |
| Romania | 0* | 0* | 2* | 25* | 2* | 25* | 3* | 49* | 4* | 69* | 4* |
| Far East | | | | | | | | | | | |
| Communist China | 11 | 22 | 17 | 88 | 22 | 104 | 25 | 110 | 27 | 127 | 28 |
| North Vietnam | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 2 | 2 |
| Other | | | | | | | | | | | |
| Cuba [c] | 2* | 3* | 2* | 5* | 2* | 5* | 2* | 5* | 2* | 5* | 2* |
| Yugoslavia [c] | 6* | 40* | 11* | 64* | 12* | 85* | 16* | 98* | 17* | 166* | 17* |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 |
|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 157* | 275* | 303* | Iceland | 12* | 11* | 5* | Portugal | 121* | 159* |
| Canada | 126* | 100* | 97* | Italy | 1,587* | 1,951* | 2,499* | Turkey | 77* | 110* |
| Denmark | 822* | 972* | 1,234* | Netherlands | 1,348* | 1,535* | 1,897* | United Kingdom | 6,869* | 7,517* |
| France | 1,837* | 2,302* | 2,986* | Norway | 6,215* | 8,312* | 9,448* | West Germany | 564* | 835* |
| Greece [f] | 798* | 1,753* | 2,601* | | | | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Tankers and whaling tankers of 1,000 gross register tons (GRT) or more. Unless otherwise indicated, data are as of the end of the year.

[b] Including only data for the United States and those countries listed under "Other NATO Countries."

[c] Data are as of midyear.

[d] Excluding ships operating only on the Great Lakes and US-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

[e] Excluding the Caspian Sea Fleet.

[f] Excluding Greek-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Table 166

Inventory of Tanker Fleet [a]

| | 1960 | | 1965 | | 1966 | | 1967 | | 1968 | | 1969 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Number | Thousand GRT | Number | Thousand GRT | Number | Thousand GRT | Number | Thousand GRT | Number | Thousand GRT | Number | Thousand GRT |
| Countries [b c] | 2,160* | 25,400* | 1,940* | 30,600* | 1,900* | 31,400* | 1,890* | 33,300* | 1,880* | 34,900* | 1,870* | 36,500* |
| United States [d] | 428* | 4,910* | 351* | 4,762* | 328* | 4,568* | 317* | 4,500* | 315* | 4,525* | 305* | 4,487* |
| unist Countries | | | | | | | | | | | | |
| SR and Eastern Europe | 140 | 923 | 234 | 2,500 | 259 | 2,870 | 280 | 3,070 | 297 | 3,230 | 317 | 3,420 |
| USSR [e] | 128 | 820 | 205 | 2,204 | 226 | 2,530 | 245 | 2,707 | 264 | 2,859 | 284 | 2,993 |
| stern Europe | 12* | 103* | 29* | 300* | 33* | 337* | 35* | 363* | 33* | 375* | 33* | 428* |
| Bulgaria | 2* | 10* | 12* | 118* | 15* | 147* | 16* | 149* | 16* | 146* | 16* | 164* |
| Czechoslovakia | 1* | 13* | 0* | 0* | 0* | 0* | 0* | 0* | 0* | 0* | 0* | 0* |
| East Germany | 4* | 33* | 10* | 94* | 11* | 102* | 11* | 102* | 8* | 97* | 8* | 132* |
| Poland | 5* | 47* | 5* | 63* | 5* | 63* | 5* | 63* | 5* | 63* | 5* | 63* |
| Romania | 0* | 0* | 2* | 25* | 2* | 25* | 3* | 49* | 4* | 69* | 4* | 69* |
| East Communist China | 11 | 22 | 17 | 88 | 22 | 104 | 25 | 110 | 27 | 127 | 28 | 142 |
| North Vietnam | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 2 | 2 | 4 |
| Cuba [e] | 2* | 3* | 2* | 5* | 2* | 5* | 2* | 5* | 2* | 5* | 2* | 5* |
| Yugoslavia [e] | 6* | 40* | 11* | 64* | 12* | 85* | 16* | 98* | 17* | 166* | 17* | 228* |

Other NATO Countries

Thousand GRT

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| n | 157* | 275* | 303* | Iceland | 12* | 11* | 5* | Portugal | 121* | 159* | 213* |
| | 126* | 100* | 97* | Italy | 1,587* | 1,951* | 2,499* | Turkey | 77* | 110* | 164* |
| rk | 822* | 972* | 1,234* | Netherlands | 1,348* | 1,535* | 1,897* | United Kingdom | 6,869* | 7,517* | 9,176* |
| | 1,837* | 2,302* | 2,986* | Norway | 6,215* | 8,312* | 9,448* | West Germany | 564* | 835* | 1,344* |
| | 798* | 1,753* | 2,601* | | | | | | | | |

*asterisk indicates that the data are unclassified.*

nkers and whaling tankers of 1,000 gross register tons (GRT) or more. Unless otherwise indicated, data are as of the end of the year.

luding only data for the United States and those countries listed under "Other NATO Countries."

ta are as of midyear.

luding ships operating only on the Great Lakes and US-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

luding the Caspian Sea Fleet.

luding Greek-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

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Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9



Table 167

Telephones in Use [a]

Thousand

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries | **108,000** | **140,000** | **149,000** | **157,000** | **167,000** | **N.A.** |
| United States | 74,342 | 93,656 | 98,789 | 103,752 | 109,256 | 115,000 |
| Communist Countries [b] | | | | | | |
| USSR and Eastern Europe | **6,680** | **13,300** | **13,700** | **16,000** | **17,500** | **19,100** |
| USSR [c] | 2,697 | 7,700 | 7,800 | 9,700 | 10,800 | 12,000 |
| Eastern Europe | **3,980** | **5,560** | **5,900** | **6,280** | **6,730** | **7,140** |
| Bulgaria | 172 | 279 | 306 | 337 | 378 | 420 |
| Czechoslovakia [d] | 1,016 | 1,491 | 1,583 | 1,679 | 1,789 | 1,890 |
| East Germany | 1,292 | 1,659 | 1,724 | 1,780 | 1,898 | 1,980 |
| Hungary | 418 | 528 | 559 | 591 | 635 | 680 |
| Poland | 881 | 1,294 | 1,411 | 1,530 | 1,651 | 1,770 |
| Romania [d] | 201 | 306 | 331 | 362 | 378 | 400 |
| Other | | | | | | |
| Albania | 7 | 11 | *N.A.* | *N.A.* | *N.A.* | *N.A.* |
| Cuba | 200 | 231 | 234 | 238 | 242 | 245 |
| Yugoslavia | 260 | 415 | 452 | 505 | 549 | 600 |

Other NATO Countries

| | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 1,143 | 1,565 | 1,847 | Iceland | 40 | 56 | 66 | Portugal | 395 | 550 | 653 |
| Canada | 5,728 | 7,456 | 8,821 | Italy | 3,861 | 5,981 | 7,752 | Turkey | 304 | 351 | 452 |
| Denmark | 1,072 | 1,364 | 1,517 | Luxembourg | 51 | 80 | 98 | United Kingdom [e] | 8,270 | 10,704 | 12,901 |
| France | 4,358 | 6,117 | 7,504 | Netherlands | 1,613 | 2,382 | 2,917 | West Germany | 5,994 | 8,802 | 11,249 |
| Greece | 222 | 508 | 762 | Norway | 740 | 908 | 1,036 | | | | |

[a] Unless otherwise indicated, data are as of the end of the year and are for both private and public telephones in use that can be connected to a central exchange.

[b] Telephones operated by the various civil departments of post and telecommunications and, unless otherwise indicated, excluding telephones serviced by other functional ministries and the military.

[c] Beginning in 1965, data include telephones used by the functional ministries and exclude those used by the military.

[d] Telephone subscribers.

[e] Data are as of 31 March of the following year.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9



Table 168

Long-Distance Telephone Calls

Million Telephone Calls

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries | 7,320* | 10,900* | 11,900* | 12,900* | 14,400* | N.A.* |
| United States | 3,427.0* | 4,734.0* | 5,196.0* | 5,602.0* | 6,189.0* | 6,800* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 672* | 902* | 968* | 1,170* | 1,300* | 1,420* |
| USSR | 185.0* | 257.0* | 283.0* | 314.0* | 343.0* | 375.0* |
| Eastern Europe | 487* | 645* | 685* | 854* | 961* | 1,040* |
| Bulgaria | 31.7* | 38.6* | 40.5* | 42.0* | 43.5* | 45.0* |
| Czechoslovakia | 100.6* | 121.8* | 127.5* | 132.8* | 138.8* | 143.0* |
| East Germany | 167.4* | 253.4* | 274.1* | 296.4* | 320.0* | 345.0* |
| Hungary | 30.7* | 29.7* | 31.3* | 33.4* | 34.0* | 35.5* |
| Poland [b] | 108.8* | 131.8* | 137.1* | 273.3* | 346.8* | 395.4* |
| Romania | 47.8* | 70.0* | 74.8* | 76.4* | 78.0* | 80.0* |
| Other | | | | | | |
| Albania [c] | 1.8* | 2.6* | 2.7* | 3.3* | *N.A.* | *N.A.* |
| Cuba | 3.6* | 15.7 | 16.2 | 18.2* | 19.5* | 21.0* |
| Yugoslavia | 33.2* | 29.3* | 25.0* | 23.2* | 21.3* | 20.0* |

Other NATO Countries

| | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 123.7* | 197.2* | 244.9* | Iceland | 2.0* [d] | 4.8* | 7.2* | Portugal | 62.8* | 72.2* | 54.1* |
| Canada | 227.3* | 301.6* | 389.7* | Italy | 451.8* | 802.8* | 1,054.4* | Turkey | 12.8* | 18.8* | 29.8* |
| Denmark | 249.2* | 363.0* | 428.5* | Netherlands | 456.0* | 725.3* | 917.4* | United Kingdom [f] | 425.0* | 849.0* | 1,211.0* |
| France | 741.0* | 849.5* | 1,108.4* | Norway | 52.6* [e] | 74.2* | 94.7* | West Germany | 1,075.2* | 1,833.4* | 2,586.6* |
| Greece | 11.8* | 31.9* | 65.8* | | | | | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Including only data for the United States and those countries listed under "Other NATO Countries."

[b] Beginning in 1967, data include long-distance calls handled by automatic exchanges.

[c] Including local calls.

[d] Data are for the previous year.

[e] Data are for the year beginning 1 July of the previous year.

[f] Data are for the year beginning 1 April of the previous year.





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Table 169

Telegrams Sent over the Domestic System [a]

Million

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries | 246* | 212* | 203* | 191* | 185* | N.A.* |
| United States [b] | 124.3* | 94.3* | 92.7* | 89.1* | 85.6* | 77.1* |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 292* | 333* | 362* | 388* | 406* | 424* |
| USSR | 241.0* | 273.0* | 300.0* | 323.0* | 339.0* | 355.0* |
| Eastern Europe | 50.5* | 60.1* | 62.2* | 64.6* | 66.9* | 69.4* |
| Bulgaria | 6.6* | 7.7* | 8.2* | 8.8* | 9.3* | 9.8* |
| Czechoslovakia | 11.6* | 13.0* | 13.2* | 13.5* | 14.2* | 15.0* |
| East Germany | 10.3* | 11.8* | 11.5* | 11.4* | 11.7* | 11.8* |
| Hungary | 7.4* | 8.9* | 9.2* | 9.8* | 10.0* | 10.3* |
| Poland [c] | 10.0* | 12.5* | 13.4* | 14.3* | 15.0* | 15.9* |
| Romania | 4.6* | 6.2* | 6.7* | 6.8* | 6.7* | 6.6* |
| Far East | | | | | | |
| North Vietnam | 2.1 | 2.5 | *N.A.* | *N.A.* | *N.A.* | *N.A.* |
| Other | | | | | | |
| Albania | 1.0* | 1.1* | 1.0* | 1.1* | 1.2* | 1.3* |
| Cuba | *N.A.* | 12.3* | 13.6* | 14.7* | 15.6* | 16.5* |
| Yugoslavia | 7.3* | 9.1* | 8.0* | 8.2* | 8.5* | 8.5* |

Other NATO Countries

| | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 3.3* | 3.4* | 3.0* | Iceland | 0.3* | 0.3* | 0.3* | Portugal | 2.3* | 2.6* | 2.8* |
| Canada [d] | 13.2* | 10.9* | 8.8* | Italy [f] | 35.2* | 38.3* | 26.6* | Turkey | 9.9* | 8.6* | 10.2* |
| Denmark [e] | 1.6* | 1.7* | 1.6* | Luxembourg | 0.2* | 0.2* | 0.2* | United Kingdom [g] | 13.6* | 9.8* | 7.8* |
| France | 12.3* | 14.1* | 15.3* | Netherlands | 2.3* | 2.0* | 1.5* | West Germany | 19.5* | 17.7* | 13.1* |
| Greece | 4.6* | 5.9* | 5.6* | Norway | 3.4* | 2.6* | 2.4* | | | | |

* *An asterisk indicates that the data are unclassified.*

[a] Unless otherwise indicated, data are for domestic telegrams

[b] Including domestic transmission of transoceanic and marine messages.

[c] Including international telegrams.

[d] All telegrams sent by land are counted as domestic.

[e] Including data for the Faeroe Islands and Greenland.

[f] Data are for the year beginning 1 July of the previous year.

[g] Data are for the year beginning 1 April of the stated year.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9



Table 170

Production of Semiconductors [a] in the United States and Selected Communist Countries

Million Units

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| United States | 313.3* | 1,520.4* | 2,186.3* | 2,065.3* | 2,427.1* | 3,120.5* |
| COMMUNIST COUNTRIES | | | | | | |
| USSR and Eastern Europe | 55.0 | 405 | 515 | 662 | 842 | 1,060 |
| USSR | 55.0 | 350.0 | 437.0 | 546.0 | 681.0 | 850.0 |
| Eastern Europe | Negl. | 55.3 | 77.8 | 116 | 160 | 208 |
| Bulgaria | *Negl.* | 1.5 | 2.0 | 3.0 | 13.5 [b] | 15.0 |
| Czechoslovakia | *Negl.* | 8.4 | 11.0 | 20.0 | 22.0 | 30.0 |
| East Germany | *Negl.* | 24.0 | 40.0 | 55.5 [b] | 78.0 [b] | 99.5 [b] |
| Hungary | *Negl.* | 7.7 | 9.6 | 13.7 | 18.0 | 25.0 |
| Poland | *Negl.* | 7.7 | 9.2 | 11.3 | 15.0 | 20.0 |
| Romania | *Negl.* | 6.0 | 6.0 | 12.0 | 14.0 | 18.0 |

* *An asterisk indicates that the data are unclassified.*
[a] Semiconductor diodes, rectifiers, and transistors.
[b] Plan data.

Table 171

Production of Radio Receivers [a]

Thousand Units

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO COUNTRIES [b] | 30,100* | 37,700* | 38,000* | 35,600* | 40,100* | N.A.* |
| United States [c] | 17,969* | 25,731* | 25,329* | 23,215* | 24,486* | 22,383* |
| COMMUNIST COUNTRIES | | | | | | |
| USSR and Eastern Europe | 6,370* | 7,520* | 8,370* | 8,940* | 9,660* | N.A. |
| USSR | 4,165* | 5,160* | 5,842* | 6,416* | 6,981* | 7,300* |
| Eastern Europe | 2,200* | 2,360* | 2,530* | 2,530* | 2,680* | N.A. |
| Bulgaria | 157* | 130* | 184* | 149* | 139* | *N.A.* |
| Czechoslovakia | 230* | 245* | 247* | 222* | 300* | *N.A.* |
| East Germany | 810* | 808* | 901* | 932* | 815* | *N.A.* |
| Hungary | 212* | 230* | 250* | 247* | 253* | 234* |
| Poland | 627* | 624* | 622* | 612* | 787* | 892* |
| Romania | 167* | 323* | 325* | 367* | 388* | 428* |
| Far East | | | | | | |
| Communist China | 1,500* | 1,500 | *N.A.* | *N.A.* | *N.A.* | *N.A.* |
| Other | | | | | | |
| Yugoslavia | 244* | 504* | 369* | 240* | 227* | 282* |

Other NATO Countries

| | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 1,103* | 1,240* | 1,493* | France | 2,214* | 2,298* | 2,605* | United Kingdom | 2,504* | 1,912* | 1,736* |
| Canada [d] | 696* | 931* | 2,184* | Italy | 935* | 1,195* | 2,750* | West Germany | 4,313* | 4,071* | 4,592* |
| Denmark | 208* | 208* | 143* | Norway [e] | 129* | 126* | 108* [f] | | | | |

* *An asterisk indicates that the data are unclassified.*
[a] Civilian radio receivers and radio-phonograph combinations.
[b] Including only data for the United States and those countries listed under "Other NATO Countries."
[c] Data for radio-phonograph combinations are factory sales.
[d] Factory sales.
[e] Receiving sets for home use only.
[f] Data are for the previous year.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9



Table 172

Production of Television Receivers

Thousand Units

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries[a] | 12,400 | 18,900 | 19,700 | 17,500 | 20,400 | N.A. |
| United States | 5,828 | 11,028 | 12,402 | 10,881 | 11,794 | 11,270 |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 2,720 | 5,360 | 6,110 | 6,770 | 7,700 | N.A. |
| USSR | 1,726 | 3,655 | 4,415 | 4,955 | 5,742 | 6,600 |
| Eastern Europe | 989 | 1,700 | 1,700 | 1,810 | 1,960 | N.A. |
| Bulgaria | *Negl.* | 74 | 90 | 130 | 153 | 172 |
| Czechoslovakia | 263 | 274 | 228 | 256 | 350 | N.A. |
| East Germany | 416 | 537 | 562 | 475 | 400 | 368 |
| Hungary | 139 | 267 | 298 | 316 | 339 | 345 |
| Poland | 171 | 452 | 412 | 495 | 560 | 600 |
| Romania | *Negl.* | 101 | 105 | 142 | 160 | 221 |
| Other | | | | | | |
| Yugoslavia | 14 | 254 | 286 | 252 | 286 | 334 |

Other NATO Countries

| | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 | | 1960 | 1965 | 1968 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 216 | 408 | 379 | France | 655 | 1,250 | 1,464 | United Kingdom | 2,141 | 1,591 | 1,963 |
| Canada[b] | 338 | 556 | 542 | Italy | 728 | 1,042 | 1,500 | West Germany | 2,164 | 2,776 | 2,587 |
| Denmark | 233 | 109 | 66 | Norway[c] | 64 | 106 | 91 | | | | |

[a] Including only data for the United States and those countries listed under "Other NATO Countries."
[b] Factory sales.
[c] Receiving sets for home use only.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9


Table 173

Radio Receivers in Public Use [a] in the United States and Selected Communist Countries

Thousand Units

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| United States | 168,300 | 242,000 | 262,700 | 282,100 | 300,900 | 325,000 |
| COMMUNIST COUNTRIES | | | | | | |
| USSR and Eastern Europe | **44,700** | **57,400** | **59,300** | **61,500** | **64,500** | **67,300** |
| USSR | 27,811 | 38,228 | 39,805 | 41,785 | 44,500 | 47,000 |
| Eastern Europe | **16,800** | **19,200** | **19,500** | **19,700** | **20,000** | **20,300** |
| Bulgaria | 868 | 1,400 | 1,469 | 1,528 | 1,545 | 1,570 |
| Czechoslovakia [b] | 3,103 | 3,100 | 3,179 | 3,185 | 3,287 | 3,340 |
| East Germany [b] | 5,574 | 5,743 | 5,820 | 5,881 [c] | 5,942 | 6,000 |
| Hungary [b] | 2,224 | 2,484 | 2,485 | 2,479 | 2,514 [c] | 2,550 |
| Poland | 3,796 | 4,537 | 4,519 | 4,505 | 4,588 | 4,650 |
| Romania [b] | 1,283 | 1,920 | 2,051 | 2,146 | 2,172 | 2,200 |
| Other | | | | | | |
| Albania | 54 | 82 | 89 | 105 | 120 | *N.A.* |
| Yugoslavia [b] | 1,562 | 2,783 | 3,003 | 3,111 | 3,171 | 3,304 |

[a] Data are as of the end of the year and exclude wired loudspeakers.
[b] Radio subscribers.
[c] Excluding data for portable radio receivers.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9



Table 174

Television Receivers in Public Use[a]

Thousand Units

| | 1960 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|
| NATO Countries | 81,300 | 120,000 | 128,000 | 134,000 | 143,000 | 154,000 |
| United States | 55,600 | 70,560 | 75,100 | 78,200 | 84,600 | 88,300 |
| Communist Countries | | | | | | |
| USSR and Eastern Europe | 7,210 | 24,600 | 29,600 | 34,700 | 40,400 | 46,100 |
| USSR | 4,788 | 15,693 | 19,043 | 22,724 | 26,800 | 31,300 |
| Eastern Europe[b] | 2,120 | 8,920 | 10,500 | 12,000 | 13,600 | 14,800 |
| Bulgaria | 3 | 185 | 288 | 420 | 621 | 820 |
| Czechoslovakia | 795 | 2,113 | 2,375 | 2,600 | 2,864 | 3,100 |
| East Germany | 1,035 | 3,216 | 3,600 | 3,933 | 4,173 | 4,400 |
| Hungary | 104 | 831 | 996 | 1,169 | 1,397 | 1,600 |
| Poland | 426 | 2,078 | 2,540 | 2,934 | 3,389 | 3,575 |
| Romania | 55 | 501 | 712 | 916 | 1,115 | 1,315 |
| Other | | | | | | |
| Yugoslavia[b] | 30 | 577 | 777 | 1,008 | 1,298 | 1,543 |

Other NATO Countries

| | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 | | 1960 | 1965 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgium | 520 | 1,461 | 1,875 | Iceland | 1 | 10 | 31 | Portugal | 58 | 182 | 360 |
| Canada | 3,840 | 5,310 | 7,140 | Italy | 2,361 | 6,216 | 8,950 | Turkey | 1 | 1 | 25 |
| Denmark | 545 | 1,079 | 1,255 | Luxembourg | 7 | 31 | 57 | United Kingdom | 11,028 | 15,000 | 16,360 |
| France | 2,000 | 6,518 | 9,580 | Netherlands | 812 | 2,239 | 2,910 | West Germany | 4,465 | 11,379 | 16,350 |
| Greece | N.A. | 4 | 80 | Norway | 49 | 490 | 801 | | | | |

[a] Data are as of the end of the year and include monochrome and color television receivers.
[b] Television subscribers.



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9



Table 175

Selected Conversion Factors

| To Convert From | To | Multiply By |
|---|---|---|
| Acres | Hectares | 0.40468564 |
| Acres | Kilometers, square | 0.004046856 |
| Acres | Meters, square | 4,046.856 |
| Acres | Miles, square | 0.0015625 |
| Feet | Meters | 0.30480061 |
| Feet, cubic | Meters, cubic | 0.028317 |
| Feet, cubic | Tons, register | 0.01 |
| Feet, square | Meters, square | 0.09290341 |
| Gallons, US liquid | Meters, cubic | 0.0037854 |
| Gallons, US liquid | Inches, cubic | 231 |
| Gallons, US liquid | Feet, cubic | 0.1336816 |
| Gallons, US liquid | Liters | 3.785306 |
| Hectares | Acres | 2.471054 |
| Hectares | Kilometers, square | 0.01 |
| Hectares | Miles, square | 0.00386101 |
| Kilometers | Miles, US nautical | 0.539957 |
| Kilometers | Miles, US statute | 0.621371 |
| Kilometers, square | Acres | 247.1054 |
| Kilometers, square | Hectares | 100 |
| Kilometers, square | Miles, square | 0.386101 |
| Meters | Feet | 3.280840 |
| Meters | Yards | 1.093613 |
| Meters, cubic | Tons, register | 0.353147 |
| Meters, cubic | Feet, cubic | 35.314667 |
| Meters, cubic | Gallons, US liquid | 264.17205 |
| Meters, square | Feet, square | 10.763910 |
| Meters, square | Yards, square | 1.195991 |
| Miles, US nautical | Kilometers | 1.852 |
| Miles, square | Acres | 640 |
| Miles, square | Hectares | 259 |
| Miles, square | Kilometers, square | 2.59 |
| Miles, statute | Kilometers | 1.609344 |
| Ounces, troy | Grams | 31.103486 |
| Pounds, avoirdupois | Quintals | 0.00453592 |
| Pounds, avoirdupois | Tons, metric | 0.000453592 |
| Quarts, US dry | Liters | 1.10119 |
| Quarts, US liquid | Liters | 0.946326 |
| Quintals | Pounds | 220.4622 |
| Quintals | Tons, metric | 0.1 |
| Tons, long | Tons, metric | 1.016047 |
| Ton-kilometers, metric | Ton-miles, short | 0.684943 |
| Tons, metric | Pounds | 2,204.622 |
| Tons, metric | Quintals | 10 |
| Tons, metric | Tons, long | 0.984206 |
| Tons, metric | Tons, short | 1.10231 |
| Ton-miles, short | Ton-kilometers, metric | 1.459975 |
| Tons, register | Feet, cubic | 100 |
| Tons, register | Meters, cubic | 2.831685 |
| Tons, short | Tons, metric | 0.907185 |
| Yards | Meters | 0.9144018 |
| Yards, square | Meters, square | 0.836127 |





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CONVERSION FACTORS
AND RATES OF EXCHANGE

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

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Table 176

Rates of Exchange for Currencies of the Communist Countries
as of 1 April 1970

| | Unit of Currency | Rate of Exchange | | | |
|---|---|---|---|---|---|
| | | In Terms of US $1 | | In Terms of 1 Ruble | |
| | | Commercial Rate[a] | Noncommercial Rate[b] | Commercial Rate[a] | Noncommercial Rate[b] |
| USSR | Ruble | 0.90 | 0.90 | | |
| Eastern Europe | | | | | |
| Bulgaria | Lev | 1.17 | 1.99 | 1.3 | 0.78 |
| Czechoslovakia | Koruna | 7.2 | 14.36 | 8.0 | 9.66 |
| East Germany | Deutsche Mark East | 4.2[c] | 4.2 | 4.67[c] | 3.20 |
| Hungary | Forint | 11.74 | 30 | 13.04 | 13.11 |
| Poland | Zloty | 4 | 24 | 4.44 | 15.32 |
| Romania | Leu | 6 | 12 | 6.67 | 8.31 |
| Far East | | | | | |
| Communist China | Yuan | 2.00 | 2.46[d] | 2.22 | 1.29 |
| North Korea | Won | 1.20 | 2.57 | 1.33 | 1.44 |
| North Vietnam | Dong | 2.94 | 3.7 | 3.27 | 1.92 |
| Other | | | | | |
| Albania | Lek | 5 | 12.5 | 5.56 | 8.4 |
| Cuba | Peso | 1 | 1 | 1.11 | 1.11 |
| Mongolia | Tugrik | 4.0 | 4.5 | 4.44 | 4.18 |
| Yugoslavia | Dinar | 12.5 | 12.5 | 13.9 | 13.9 |

[a] Official rates unless otherwise indicated. These rates are used for converting trade statistics.

[b] Rates used for noncommercial transactions such as diplomatic, tourist and student expenditures, personal remittances, and the like. Some countries have special rates for tourists and personal remittances in addition to the noncommercial rate.

[c] The unofficial rates actually used in East German accounting of foreign trade transactions. Official rates still listed, but not used, are 2.22 DME to US $1 and 2.47 DME to 1 ruble.

[d] Based on the cross rate of exchange between the yuan and the UK pound sterling.


Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9



ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 177

Cross Rates of Exchange for Currencies of the NATO Countries [a]
1969

| Country: | (Monetary unit): | United States (Dollar) | Belgium [b] (Franc) | Canada (Dollar) | Denmark (Krone) | France (Franc) | Greece (Drachma) | Iceland (Krona) | Italy (Lira) | Netherlands (Guilder) | Norway (Krone) | Portugal (Escudo) | Turkey (Lira) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | One monetary unit of the currency quoted above equals the following: | | | | | | | | | | | |
| United States | Dollar | 1.000 | 0.020 | 0.925 | 0.133 | 0.180 | 0.033 | 0.011 | 0.0016 | 0.276 | 0.140 | 0.035 | 0.111 |
| Belgium [b] | Franc | 50.00 | 1.000 | 46.25 | 6.667 | 9.00 | 1.667 | 0.568 | 0.0800 | 13.81 | 7.000 | 1.739 | 5.556 |
| Canada | Dollar | 1.081 | 0.022 | 1.000 | 0.144 | 0.195 | 0.036 | 0.012 | 0.0017 | 0.299 | 0.151 | 0.038 | 0.120 |
| Denmark | Krone | 7.500 | 0.150 | 6.938 | 1.000 | 1.350 | 0.250 | 0.085 | 0.0120 | 2.072 | 1.050 | 0.261 | 0.833 |
| France | Franc | 5.554 | 0.111 | 5.138 | 0.741 | 1.000 | 0.185 | 0.063 | 0.0089 | 1.534 | 0.778 | 0.193 | 0.617 |
| Greece | Drachma | 30.00 | 0.600 | 27.75 | 4.000 | 5.401 | 1.000 | 0.341 | 0.0480 | 8.287 | 4.200 | 1.043 | 3.333 |
| Iceland | Krona | 88.00 | 1.760 | 81.40 | 11.733 | 15.84 | 2.933 | 1.000 | 0.1408 | 24.31 | 12.320 | 3.061 | 9.778 |
| Italy | Lira | 625.0 | 12.50 | 578.1 | 83.33 | 112.5 | 20.83 | 7.10 | 1.000 | 172.7 | 87.50 | 21.74 | 69.44 |
| Netherlands | Guilder | 3.620 | 0.072 | 3.349 | 0.483 | 0.652 | 0.121 | 0.041 | 0.0058 | 1.000 | 0.507 | 0.126 | 0.402 |
| Norway | Krone | 7.143 | 0.143 | 6.607 | 0.952 | 1.286 | 0.238 | 0.081 | 0.0114 | 1.973 | 1.000 | 0.248 | 0.794 |
| Portugal | Escudo | 28.75 | 0.575 | 26.59 | 3.833 | 5.176 | 0.958 | 0.327 | 0.0460 | 7.942 | 4.025 | 1.000 | 3.194 |
| Turkey | Lira | 9.000 | 0.180 | 8.325 | 1.200 | 1.620 | 0.300 | 0.102 | 0.0144 | 2.486 | 1.260 | 0.313 | 1.000 |
| United Kingdom | Pound | 0.417 | 0.008 | 0.385 | 0.056 | 0.075 | 0.014 | 0.005 | 0.0007 | 0.115 | 0.058 | 0.014 | 0.046 |
| West Germany | Deutsche Mark | 3.660 | 0.073 | 3.386 | 0.488 | 0.659 | 0.122 | 0.042 | 0.0059 | 1.011 | 0.512 | 0.127 | 0.407 |

[a] Par values as declared to the International Monetary Fund. Data are as of 15 April 1970.
[b] The rates of exchange for Luxembourg are the same as those for Belgium.

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

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Table 177

Cross Rates of Exchange for Currencies of the NATO Countries [a]
1969

| Country: (Monetary unit): | United States (Dollar) | Belgium [b] (Franc) | Canada (Dollar) | Denmark (Krone) | France (Franc) | Greece (Drachma) | Iceland (Krona) | Italy (Lira) | Netherlands (Guilder) | Norway (Krone) | Portugal (Escudo) | Turkey (Lira) | United Kingdom (Pound) | West Germany (Deutsche Mark) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| One monetary unit of the currency quoted above equals the following: | | | | | | | | | | | | | | |
| s..... Dollar..... | 1.000 | 0.020 | 0.925 | 0.133 | 0.180 | 0.033 | 0.011 | 0.0016 | 0.276 | 0.140 | 0.035 | 0.111 | 2.400 | 0.273 |
| ..... Franc..... | 50.00 | 1.000 | 46.25 | 6.667 | 9.00 | 1.667 | 0.568 | 0.0800 | 13.81 | 7.000 | 1.739 | 5.556 | 120.0 | 13.66 |
| ..... Dollar..... | 1.081 | 0.022 | 1.000 | 0.144 | 0.195 | 0.036 | 0.012 | 0.0017 | 0.299 | 0.151 | 0.038 | 0.120 | 2.595 | 0.295 |
| ..... Krone ..... | 7.500 | 0.150 | 6.938 | 1.000 | 1.350 | 0.250 | 0.085 | 0.0120 | 2.072 | 1.050 | 0.261 | 0.833 | 18.00 | 2.049 |
| ..... Franc..... | 5.554 | 0.111 | 5.138 | 0.741 | 1.000 | 0.185 | 0.063 | 0.0089 | 1.534 | 0.778 | 0.193 | 0.617 | 13.33 | 1.518 |
| ..... Drachma..... | 30.00 | 0.600 | 27.75 | 4.000 | 5.401 | 1.000 | 0.341 | 0.0480 | 8.287 | 4.200 | 1.043 | 3.333 | 72.00 | 8.197 |
| ..... Krona..... | 88.00 | 1.760 | 81.40 | 11.733 | 15.84 | 2.933 | 1.000 | 0.1408 | 24.31 | 12.320 | 3.061 | 9.778 | 211.2 | 24.04 |
| ..... Lira..... | 625.0 | 12.50 | 578.1 | 83.33 | 112.5 | 20.83 | 7.10 | 1.000 | 172.7 | 87.50 | 21.74 | 69.44 | 1,500 | 170.8 |
| ..... Guilder..... | 3.620 | 0.072 | 3.349 | 0.483 | 0.652 | 0.121 | 0.041 | 0.0058 | 1.000 | 0.507 | 0.126 | 0.402 | 8.69 | 0.989 |
| ..... Krone..... | 7.143 | 0.143 | 6.607 | 0.952 | 1.286 | 0.238 | 0.081 | 0.0114 | 1.973 | 1.000 | 0.248 | 0.794 | 17.14 | 1.952 |
| ..... Escudo..... | 28.75 | 0.575 | 26.59 | 3.833 | 5.176 | 0.958 | 0.327 | 0.0460 | 7.942 | 4.025 | 1.000 | 3.194 | 69.00 | 7.855 |
| ..... Lira..... | 9.000 | 0.180 | 8.325 | 1.200 | 1.620 | 0.300 | 0.102 | 0.0144 | 2.486 | 1.260 | 0.313 | 1.000 | 21.60 | 2.459 |
| dom..... Pound..... | 0.417 | 0.008 | 0.385 | 0.056 | 0.075 | 0.014 | 0.005 | 0.0007 | 0.115 | 0.058 | 0.014 | 0.046 | 1.000 | 0.114 |
| ny..... Deutsche Mark.. | 3.660 | 0.073 | 3.386 | 0.488 | 0.659 | 0.122 | 0.042 | 0.0059 | 1.011 | 0.512 | 0.127 | 0.407 | 8.78 | 1.000 |

ues as declared to the International Monetary Fund. Data are as of 15 April 1970.
es of exchange for Luxembourg are the same as those for Belgium.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9



# INDEX


Page

Academic, technical, and military trainees to Communist countries ..... 70-71
Acetate and rayon fabrics ..... 107
Acid, sulfuric ..... 73
Aggregate factor productivity in the USSR *preceding page* 3
Agricultural and industrial factor productivity in the USSR ..... *preceding page* 5
Agricultural and industrial production ..... 4-6
Agricultural equipment ..... 126
Agricultural inputs and output, US and USSR *preceding page* 113
Agricultural investment, US and USSR *preceding page* 113
Agricultural labor force ..... 21
Agricultural labor force, US and USSR *preceding page* 113
Agricultural production indexes, Eastern Europe ..... 5
Agricultural production indexes, US and USSR *preceding pages* 5, 113
Agriculture ..... 113-126
Aid ..... 57-72
Aid, Chinese Communist economic and military, by area ..... *preceding page* 59
Aid, Chinese Communist military, to North Vietnam ..... 58
Aid, Communist economic and military, by area ..... *preceding page* 59
Aid, Communist economic and military, by recipient and donor ..... 62
Aid, Communist economic and military, to North Vietnam ..... *preceding page* 57
Aid, Communist economic, by recipient and donor ..... 64
Aid, Communist economic, extensions and drawings ..... 59
Aid, Communist military, by recipient and donor ..... 66
Aid, Communist military, extensions and drawings ..... 60
Aid, Communist, to less developed countries 59-72
Aid, Communist, to North Vietnam ..... 57-58

Page

Aid, Soviet and US economic, to less developed countries ..... *preceding page* 57
Aid, Soviet economic and military, by area *preceding page* 59
Aid, Soviet economic and military, to less developed countries, net flows .. *preceding page* 61
Aid, Soviet economic, extended to less developed countries and Communist countries *preceding page* 57
Aid, Soviet military, to North Vietnam ..... 57
Aid, US and Soviet economic, by recipient *preceding page* 57
Aircraft and guided missile systems, Communist, to less developed countries ..... 68
Aircraft, civil, inventory of ..... 141
Aircraft, military, production of ..... 18
Airfreight traffic ..... 133
Air passenger traffic ..... 132
Albania, selected economic data ..... 41
Aluminum, primary ..... 99
Ammonia, synthetic ..... 74
Automobiles in use ..... 12
Automobiles, passenger, production of ..... 139

Balance of payments, Soviet *preceding page* 11
Bauxite ..... 100
Breadgrain ..... 114
Brown coal and lignite ..... 81
Budget, state, USSR ..... 7
Bulgaria, selected economic data ..... 32
Buses and trucks, production of ..... 140

Calls, telephone, long-distance ..... 148
Canada, land mass, population, and GNP *frontispiece*
Capacities of selected ports .. *preceding page* 19
Capital, fixed, Soviet stocks ..... 9
Cargo ships, maritime, construction of ..... 134
Cars, railroad freight, inventory of ..... 143
Cars, railroad freight, production of ..... 138
Cattle, inventory of ..... 122




Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9




| | Page |
|---|---|
| Caustic soda | 75 |
| Cement | 112 |
| Chemical equipment imports, USSR | 53 |
| Chemicals | 73-77 |
| Chinese Communist economic and military aid to less developed countries, extensions and drawings, by area | *preceding page* 59 |
| Chinese Communist military aid to North Vietnam | 58 |
| Chromite | 94 |
| Civil aircraft, inventory of | 141 |
| Civilian trucks, inventory of | 144 |
| Coal, brown, and lignite | 81 |
| Coal, hard | 80 |
| Coarse grain | 115 |
| Cobalt | 95 |
| Coke, metallurgical | 82 |
| Combines, grain | 126 |
| Commercial vehicles, production of | 140 |
| Communications | 147-153 |
| Communications equipment, inventory of | 147, 152-153 |
| Communications equipment, production of | 150-151 |
| Communist aid to less developed countries | 59-72 |
| Communist aid to North Vietnam | 57-58 |
| Communist aircraft and guided missile systems to less developed countries | 68 |
| Communist China, exports | 55 |
| Communist China, foreign trade | 54-56 |
| Communist China, imports | 56 |
| Communist China, land mass | *frontispiece* |
| Communist China, selected economic data | 38 |
| Communist countries, academic students in | 70 |
| Communist countries, academic, technical, and military trainees in | 70-71 |
| Communist countries and the United States, military aircraft production | 18 |
| Communist countries, direction of foreign trade | *preceding page* 45 |
| Communist countries, exchange rates | 155 |
| Communist countries, indexes of gross industrial production | 6 |
| Communist countries and less developed countries, Soviet economic aid extended to | *preceding page* 57 |
| Communist countries, military trainees in | 70-71 |
| Communist countries, naval ship construction | 17 |
| Communist countries, students in | 70 |
| Communist countries, technical trainees in | 70 |
| Communist countries, trade among | 48 |
| Communist countries, trade turnover | 47 |
| Communist countries, trade with Free World | 49 |
| Communist economic aid to less developed countries | 59-72 |
| Communist economic aid to less developed countries, by recipient and donor | 64 |
| Communist economic aid to less developed countries, extensions and drawings | 59 |
| Communist economic and military aid to less developed countries | 59-72 |
| Communist economic and military aid to less developed countries, by recipient and donor | 62 |
| Communist economic and military aid to less developed countries, extensions and drawings, by area | *preceding page* 59 |
| Communist economic and military aid to North Vietnam | *preceding page* 57 |
| Communist economic and military technicians in less developed countries | 72 |
| Communist land armaments and naval ships to less developed countries, by recipient | 67 |
| Communist military aid to less developed countries | 59-72 |
| Communist military aid to less developed countries, by recipient and donor | 66 |
| Communist military aid to less developed countries, extensions and drawings | 60 |
| Communist military and economic aid to North Vietnam | *preceding page* 57 |
| Communist military equipment to less developed countries | 67-69 |
| Comparative performance and plan data | 11-13 |
| Computers, digital | 111 |
| Construction | 111-112 |
| Construction, total housing | 111 |
| Consumer goods | 105-107 |
| Consumer goods, producers' goods, and construction | 105-112 |
| Consumption, factors of, US and USSR | 12 |
| Conversion factors | 154 |
| Copper, refined | 98 |
| Cotton fabrics | 105 |
| Cotton, ginned | 124 |
| Country tables, economic data | 22-44 |
| Credits, Western, to USSR, drawings and repayments on | 10 |
| Crops, food | 113-117 |
| Cross rates of exchange, NATO countries | 156 |
| Crude oil | 83 |
| Crude steel | 88 |




Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9



Page

Cuba, land mass ..... *frontispiece*
Cuba, selected economic data ..... 42
Currency, foreign, rates of exchange .... 155-156
Currency, hard, balance of payments, Soviet ..... *preceding page* 11
Czechoslovakia, selected economic data ..... 33

Defense expenditures, US and USSR, by mission ..... 14
Defense and space expenditures, USSR .... 14-16
Defense budget, USSR ..... *preceding page* 15
Deliveries, Communist, of aircraft and guided missile systems to less developed countries 68
Deliveries, Communist, of land armaments and naval ships to less developed countries .... 67
Deliveries, Communist, of military equipment to less developed countries ..... 67-69
Diesel locomotives, production of ..... 137
Digital computers ..... 111
Domestic telegrams ..... 149
Domestic transport performance, US and USSR .....*preceding page* 127
Drawings on Western credits to USSR ..... 10

Eastern Europe and USSR, trade with US .... 45
Eastern Europe, indexes of agricultural production, by country ..... 5
Eastern Europe, land mass ..... *frontispiece*
Eastern Europe, selected economic data .... 31
East Germany, selected economic data ..... 34
Economic aid, Communist, to less developed countries of the Free World ..... 59-72
Economic aid, Communist, to less developed countries, by recipient and donor ..... 64
Economic aid, Communist, to less developed countries, extensions and drawings ..... 59
Economic aid, Soviet, extended to less developed countries and Communist countries ..... *preceding page* 57
Economic aid, US and Soviet, to less developed countries ..... *preceding page* 57
Economic and military aid ..... 57-72
Economic and military aid, Chinese Communist, to less developed countries, extensions and drawings, by area .... *preceding page* 59
Economic and military aid, Communist, to less developed countries, by recipient and donor 62
Economic and military aid, Communist, to less developed countries, extensions and drawings, by area ..... *preceding page* 59

Page

Economic and military aid, Communist, to North Vietnam .....*preceding page* 57
Economic and military aid, Soviet, to less developed countries, extensions and drawings, by area .....*preceding page* 59
Economic and military aid, Soviet, to less developed countries, net flows *preceding page* 61
Economic and military indicators ..... 1-18
Economic and military technicians, Communist, in less developed countries ..... 72
Economic data, Albania ..... 41
Economic data, Bulgaria ..... 32
Economic data, Communist China ..... 38
Economic data, Cuba ..... 42
Economic data, Czechoslovakia ..... 33
Economic data, East Germany ..... 34
Economic data, Eastern Europe ..... 31
Economic data, European NATO ..... 23
Economic data, France ..... 24
Economic data, Hungary ..... 35
Economic data, India ..... 28
Economic data, Italy ..... 25
[redacted] ..... 25X6 ..... 29
Economic data, Mongolia ..... 43
Economic data, North Korea ..... 39
Economic data, North Vietnam ..... 40
Economic data, Poland ..... 36
Economic data, Romania ..... 37
[redacted] ..... 25X6 ..... 26
Economic data, United States ..... 22
Economic data, US and USSR ..... 11-12
Economic data, USSR ..... 30
[redacted] ..... 25X6 ..... 27
Economic data, Yugoslavia ..... 44
Economic indicators ..... 1-13
Economic plan, USSR, for 1970 ..... 13
Economic profile, 1969 ..... *frontispiece*
Electric generating capacity, installed ..... 87
Electric generators ..... 110
Electric locomotives, production of ..... 137
Electric motors ..... 109
Electric power ..... 86-87
Energy, primary ..... 79
Equipment, agricultural, production of ..... 126
Equipment, chemical, imports, USSR ..... 53
Equipment, communications, inventory of ..... 147, 152-153
Equipment, communications, production of ..... 150-151
Equipment and expenditures, military ..... 14-18



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9



Page

Equipment, metallurgical ..... 109
Equipment, power ..... 110
Equipment, transportation, inventory of .. 141-146
Equipment, transportation, production of . 134-140
European NATO land mass ..... *frontispiece*
European NATO, selected economic data .... 23
Europe, Eastern, selected economic data .... 31
Exchange rates, Communist countries ..... 155
Exchange rates, NATO countries ..... 156
Expenditures, defense, US and USSR, by mission ..... 14
Expenditures, military, USSR ..... 14-18
Expenditures, space, USSR ..... 14-16
Exports, Communist China ..... 55
Exports, USSR ..... 51
Exports, USSR, petroleum ..... 53
Exports, world ..... 45

Fabrics, cotton ..... 105
Fabrics, rayon and acetate ..... 107
Fabrics, woolen ..... 106
Factor productivity in the USSR, aggregate ..... *preceding page* 3
Factor productivity in the USSR, industrial and agricultural ..... *preceding page* 5
Factors, conversion ..... 154
Factors of consumption, US and USSR ..... 12
Farm labor force, US and USSR ..... *preceding page* 113
Ferrous and ferroalloying ores and metals .. 88-96
Fertilizer, mineral ..... 76-77
Fertilizer, mineral, as an input to agriculture ..... *preceding page* 113
Fertilizer, mineral, nutrient content ..... 76
Fertilizer, mineral, nutrient content, as an input to agriculture ..... *preceding page* 113
Fibers, selected ..... 124-125
Fibers, synthetic ..... 107
Finance and investment data, USSR ..... 7-10
Fish catch ..... 121
Fishing ships, construction of ..... 135
Fixed capital, Soviet stocks ..... 9
Fixed investment, gross, USSR ..... 8
Fleet, merchant, inventory of ..... 145
Fleet, tanker, inventory of ..... 146
Food crops ..... 113-117
Foods, processed ..... 118-120
Footwear ..... 105
Foreign trade ..... 45-56
Foreign trade, Communist China ..... 54-56

Page

Foreign trade, direction of, Communist countries ..... *preceding page* 45
Foreign trade, USSR ..... 50-52
France, selected economic data ..... 24
Free World, Communist aid to ..... 59-72
Free World, Communist trade with ..... 49
Freight cars, railroad, inventory of ..... 143
Freight cars, railroad, production of ..... 138
Freight traffic, air ..... 133
Freight traffic, inland water ..... 130-131
Freight traffic, motor vehicle ..... 129
Freight traffic, ocean ..... 132
Freight traffic, railroad ..... 127-128
Fuels ..... 79-85
Fuels and power ..... 79-87

Gas, natural ..... 85
Generating capacity, electric, installed ..... 87
Generators, electric ..... 110
Ginned cotton ..... 124
Gold ..... 97
Gold, USSR ..... *preceding page* 11
Grain ..... 113-116
Grain as a selected output .. *preceding page* 113
Grain, coarse ..... 115
Grain combines ..... 126
Gross fixed investment, USSR ..... 8
Gross industrial production indexes, Communist countries ..... 6
Gross industrial production indexes, USSR ... 6
Gross national product ..... 1-3
Gross national product, by end use, US and USSR ..... 2
Gross national product, Canada, Communist China, Cuba, Eastern Europe, European NATO, India, Japan, North Korea, North Vietnam, the United States, and the USSR ..... *frontispiece*
Gross national product, US and USSR ..... *preceding page* 1
Gross national product per capita, selected countries ..... *preceding page* 3
Gross national product, percentage distribution, by end use, USSR ..... 3
Guided missile systems and aircraft, Communist, to less developed countries ..... 68

Hard coal ..... 80
Hard currency balance of payments, Soviet ..... *preceding page* 11



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9




Page

Hogs, inventory of ..... 123
Housing construction ..... 111
Hungary, selected economic data ..... 35
Hydroelectric power ..... 86

Imports, Communist China ..... 56
Imports, USSR ..... 52
Imports, USSR, chemical equipment ..... 53
India, land mass ..... *frontispiece*
India, selected economic data ..... 28
Industrial and agricultural factor productivity in the USSR ..... *preceding page* 5
Industrial and agricultural production ..... 4-6
Industrial and agricultural production indexes, US and USSR ..... *preceding page* 5
Industrial production indexes ..... 4
Industrial production indexes, gross, Communist countries ..... 6
Industrial production, rates of growth, by branch, USSR ..... 5
Industrial products and raw materials ..... 73-104
Inland water freight traffic ..... 130-131
Installed electric generating capacity ..... 87
Investment and finance data, USSR ..... 7-10
Investment, gross fixed, USSR ..... 8
Iron ore ..... 91
Iron, pig ..... 90
Italy, selected economic data ..... 25

Japan, land mass ..... *frontispiece*
25X6 J[redacted] ..... 29

Labor force ..... 20
Labor force, agricultural ..... 21
Labor force, nonagricultural ..... 20
Land armaments and naval ships, Communist, to less developed countries ..... 67
Land mass, Canada, Communist China, Cuba, Eastern Europe, European NATO, India, Japan, North Korea, North Vietnam, the United States, and the USSR ..... *frontispiece*
Lead, smelter ..... 101
Less developed countries, Communist land armaments and naval ships to ..... 67
Less developed countries and Communist countries, Soviet economic aid extended to ..... *preceding page* 57
Less developed countries, Communist aid to 59-72
Less deveoped countries, Communist aircraft and guided missile systems to ..... 68

Page

Less developed countries, Communist deliveries of military equipment to ..... 67-69
Less developed countries, Communist land armaments and naval ships to ..... 67
Lignite and brown coal ..... 81
Livestock, inventory of ..... 122-123
Locomotives, diesel, production of ..... 137
Locomotives, electric, production of ..... 137
Locomotives, inventory of ..... 142
Locomotives, mainline, production of ..... 136
Locomotives, production of ..... 136
Long-distance telephone calls ..... 148

Machine tools, metalcutting ..... 108
Machine tools, metalforming ..... 108
Magnesium, primary ..... 104
Mainline diesel locomotives, production of .. 137
Mainline electric locomotives, production of .. 137
Mainline locomotives, inventory of ..... 142
Mainline locomotives, production of ..... 136
Manganese ore ..... 92
Maritime cargo ships, construction of ..... 134
Maritime tankers, construction of ..... 135
Meat ..... 118
Merchant fleet, inventory of ..... 145
Metalcutting machine tools ..... 108
Metalforming machine tools ..... 108
Metallurgical coke ..... 82
Metallurgical equipment ..... 109
Metals, ferrous and ferroalloying ..... 88-96
Metals, nonferrous ..... 97-104
Military, academic, and technical trainees to Communist countries ..... 70
Military aid, Chinese Communist, to North Vietnam ..... 58
Military aid, Communist, to less developed countries ..... 59-72
Military aid, Communist, to North Vietnam ..... *preceding page* 57
Military aid, Soviet, to North Vietnam ..... 57
Military aircraft, production of ..... 18
Military and economic aid ..... 57-72
Military and economic aid, Communist, to North Vietnam ..... *preceding page* 57
Military and economic technicians, Communist, in less developed countries ..... 72
Military equipment, Communist, to less developed countries ..... 67-69
Military expenditures and equipment ..... 14-18
Military expenditures, USSR ..... 14-18




Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9



Page

Military expenditures, USSR, by mission .... 14-15
Military capacities of selected ports ..... *preceding page* 19
Military trainees to Communist countries .. 70-71
Milk ..... 119
Mineral fertilizer ..... 76-77
Mineral fertilizer as an input to agriculture ..... *preceding page* 113
Mineral fertilizer, nutrient content ..... 76
Mineral fertilizer, nutrient content, as an input to agriculture ..... *preceding page* 113
Minerals and metals ..... 88-104
Molybdenum ..... 95
Mongolia, selected economic data ..... 43
Motors, electric ..... 109
Motor vehicle freight traffic ..... 129

National product, gross ..... 1-3
NATO countries, exchange rates ..... 156
NATO countries, GNP ..... 1
NATO, European, land mass ..... *frontispiece*
NATO, European, selected economic data .... 23
Natural gas ..... 85
Natural rubber ..... 77
Naval ships and land armaments, Communist, to less developed countries ..... 67
Naval ships, construction of, Communist countries ..... 17
Net flows of Soviet military and economic aid to the less developed countries of the Free World ..... *preceding page* 61
Net flows of Soviet productive resources to less developed countries of the Free World .... 61
Nickel, refined ..... 93
Nonagricultural labor force ..... 20
Nonferrous ores and metals ..... 97-104
North Korea, land mass ..... *frontispiece*
North Korea, selected economic data ..... 39
North Vietnam, Chinese Communist military aid to ..... 58
North Vietnam, Communist aid to ..... 57-58
North Vietnam, Communist economic and military aid to ..... *preceding page* 57
North Vietnam, land mass ..... *frontispiece*
North Vietnam, selected economic data ..... 40
North Vietnam, Soviet military aid to ..... 57

Ocean freight traffic ..... 132
Oil, crude ..... 83
Ore, iron ..... 91

Page

Ore, manganese ..... 92
Ores and metals, ferrous and ferroalloying .. 88-96
Ores and metals, nonferrous ..... 97-104
Ore, tungsten ..... 96

Passenger automobiles in use ..... 12
Passenger automobiles, production of ..... 139
Passenger traffic, air ..... 132
Persons supplied per farm worker ..... 12
Petroleum exports, USSR ..... 53
Petroleum pipeline transportation ..... 133
Petroleum products ..... 84
Pig iron ..... 90
Pipeline transportation, petroleum ..... 133
Plan data and comparative performance .... 11-13
Plan, economic, USSR, for 1970 ..... 13
Plastics ..... 77
Poland, selected economic data ..... 36
Population ..... 19
Population and country tables ..... 19-44
Population, Canada, Communist China, Cuba, Eastern Europe, European NATO, India, Japan, North Korea, North Vietnam, the United States, and the USSR ..... *frontispiece*
Ports, capacities of ..... *preceding page* 19
Potatoes ..... 117
Power, electric ..... 86-87
Power equipment ..... 110
Power, hydroelectric ..... 86
Primary aluminum ..... 99
Primary energy ..... 79
Primary magnesium ..... 104
Primary tin metal ..... 103
Processed foods and fish catch ..... 118-121
Producers' goods ..... 108-111
Productive resources, Soviet, to less developed countries, net flows ..... 61
Productivity, aggregate factor, in the USSR ..... *preceding page* 3
Productivity, factor, industrial and agricultural, in the USSR ..... *preceding page* 5

Radio receivers in use ..... 152
Radio receivers, production of ..... 150
Railroad freight cars, inventory of ..... 143
Railroad freight cars, production of ..... 138
Railroad freight traffic ..... 127-128
Rates of exchange, Communist countries ..... 155
Rates of exchange, NATO countries ..... 156
Raw materials and industrial products .... 73-104



Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9




| | Page |
|---|---|
| Rayon and acetate fabrics | 107 |
| Receivers, radio, in use | 152 |
| Receivers, radio, production of | 150 |
| Receivers, television, in use | 153 |
| Receivers, television, production of | 151 |
| Refined copper | 98 |
| Refined nickel | 93 |
| Refined zinc | 102 |
| Refrigerators | 12 |
| Repayments, scheduled, on Western credits to USSR | 10 |
| Rice | 116 |
| Rolled steel | 89 |
| Romania, selected economic data | 37 |
| Rubber and rubber products | 77-78 |
| Rubber, natural | 77 |
| Rubber, synthetic | 78 |
| Rubber tires | 78 |
| Ships, fishing, construction of | 135 |
| Ships, maritime cargo, construction of | 134 |
| Ships, naval, construction of, Communist countries | 17 |
| Shoes | 105 |
| Smelter lead | 101 |
| Soda, caustic | 75 |
| Soviet and US economic aid to less developed countries | *preceding page* 57 |
| Soviet budget | 7 |
| Soviet economic and military aid to less developed countries, extensions and drawings, by area | *preceding page* 59 |
| Soviet economic and military aid to less developed countries, net flows | *preceding page* 61 |
| Soviet economic aid extended to less developed countries and Communist countries | *preceding page* 57 |
| Soviet economic plan for 1970 | 13 |
| Soviet expenditures for defense and space | *preceding page* 15 |
| Soviet expenditures for defense and space, by category of expenditures | 16 |
| Soviet expenditures for defense and space, by major mission | 15 |
| Soviet exports, by commodity | 51 |
| Soviet gross fixed investment | 8 |
| Soviet gross national product, by end use | 3 |
| Soviet hard currency balance of payments | *preceding page* 11 |
| Soviet imports of chemical equipment | 53 |
| Soviet investment and finance data | 7-10 |
| Soviet military aid to North Vietnam | 57 |
| Soviet productive resources to less developed countries, net flows | 61 |
| Soviet stocks of fixed capital | 9 |
| Space expenditures, USSR | 14-16 |
| Space systems expenditures, by category of expenditures, USSR | 16 |
| Space systems expenditures, by major mission, USSR | 15 |
| Space systems expenditures, USSR | *preceding page* 15 |
| Sponge, titanium | 104 |
| State budget, USSR | 7 |
| Steel, crude | 88 |
| Steel, rolled | 89 |
| Stocks of fixed capital, Soviet | 9 |
| Students from less developed countries in Communist countries | 70 |
| Sugar | 120 |
| Sulfuric acid | 73 |
| Synthetic ammonia | 74 |
| Synthetic fibers | 107 |
| Synthetic rubber | 78 |
| Tanker fleet, inventory of | 146 |
| Tankers, maritime, construction of | 135 |
| Technical, academic, and military trainees to Communist countries | 70-71 |
| Technicians, Communist, economic and military, in less developed countries | 72 |
| Telegrams, domestic | 149 |
| Telephone calls, long-distance | 148 |
| Telephones in use | 147 |
| Television receivers in use | 153 |
| Television receivers, production of | 151 |
| Tin metal, primary | 103 |
| Tires, rubber | 78 |
| Titanium sponge | 104 |
| Tools, metalcutting machine | 108 |
| Tools, metalforming machine | 108 |
| Tractors | 126 |
| Tractors as an input to agriculture | *preceding page* 113 |
| Trade among Communist countries | 48 |
| Trade, commodity composition, US with USSR | 46 |
| Trade, Communist China | 54-56 |
| Trade, Communist countries, direction | *preceding page* 45 |
| Trade, Communist countries with Free World | 49 |




Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9




Page

Trade, foreign ..... 45-56
Trade turnover, Communist countries ..... 47
Trade, US and USSR, commodity composition 46
Trade, USSR ..... 50-53
Trade, USSR, chemical equipment imports .. 53
Trade, USSR, petroleum exports ..... 53
Trade, US, with USSR and Eastern Europe .. 45
Trade, US, with USSR, by commodity ..... 46
Traffic, airfreight ..... 133
Traffic, air passenger ..... 132
Traffic, inland water freight ..... 130-131
Traffic, motor vehicle freight ..... 129
Traffic, ocean freight ..... 132
Traffic, railroad freight ..... 127-128
Trainees in Communist countries ..... 70
Transportation and communications ..... 127-153
Transportation equipment, inventory of .. 141-146
Transportation equipment, production of . 134-140
Transportation, petroleum pipeline ..... 133
Transport, domestic, US and USSR ..... *preceding page* 127
Trucks and buses, production of ..... 140
Trucks, civilian, inventory of ..... 144
Tungsten ore ..... 96
Turbines ..... 110

25X6 [redacted] ... 26

US and Soviet economic aid to less developed countries ..... *preceding page* 57
United States, land mass ..... *frontispiece*
United States, selected economic data ..... 22
USSR, aggregate factor productivity ..... *preceding page* 3
USSR, agricultural and industrial factor productivity ..... *preceding page* 5
USSR and Eastern Europe, trade with US .... 45
USSR and US, agricultural inputs and output ..... *preceding page* 113
USSR and US, agricultural investment ..... *preceding page* 113
USSR and US, agricultural production indexes ..... *preceding pages* 5, 113
USSR and US, GNP ..... *preceding page* 1
USSR and US, defense expenditures, by major mission ..... 14
USSR and US, domestic transport ..... *preceding page* 127
USSR and US, economic data ..... 11-12
USSR and US, factors of consumption ..... 12
USSR and US, GNP, by end use ..... 2

Page

USSR and US, indexes of industrial and agricultural production ..... *preceding page* 5
USSR and US, production of military aircraft . 18
USSR and US, trade, by commodity ..... 46
USSR, chemical equipment imports ..... 53
USSR, defense and space expenditures ..... 14-16
USSR, drawings and scheduled repayments on Western credits to ..... 10
USSR, economic and military aid to less developed countries ..... *preceding page* 59
USSR, exports ..... 51
USSR, exports of petroleum ..... 53
USSR, foreign trade ..... 50
USSR, gold ..... *preceding page* 11
USSR, gross fixed investment ..... 8
USSR, gross industrial production indexes .... 6
USSR, industrial and agricultural factor productivity ..... *preceding page* 5
USSR, hard currency balance of payments ..... *preceding page* 11
USSR, imports ..... 52
USSR, imports of chemical equipment ..... 53
USSR, industrial production indexes ..... 4, 6
USSR, industrial production, rates of growth, by branch ..... 5
USSR, investment and finance data ..... 7-10
USSR, land mass ..... *frontispiece*
USSR, military aid to North Vietnam ..... 57
USSR, military expenditures ..... 14-18
USSR, petroleum exports ..... 53
USSR, plan for 1970 ..... 13
USSR, selected economic data ..... 30
USSR, state budget ..... 7
USSR, trade ..... 50-53
USSR, Western credits to ..... 10

Vehicles, commercial, production of ..... 140
Vehicles, motor, production of ..... 139-140

Washing machines ..... 12
Western credits to USSR, drawings and scheduled repayments on ..... 10
[redacted] ... 27 25X6
Wool ..... 125
Woolen fabrics ..... 106
World exports ..... 45

Yugoslavia, selected economic data ..... 44

Zinc, refined ..... 102




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